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Baltimore. Mayor.

THE

MAYOR'S MESSAGE,

— AND —

REPORTS OF THE CITY OFFICERS,

— MADE TO THE —

CITY COUNCIL OF BALTIMORE,

FOR THE YEAR 1886.

BALTIMORE:
STEPHEN TONGUE, "CITY PRINTER,"
106 East Baltimore Street.

1887.

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INDEX.

	PAGE.
Mayor's Message	5
Corporation Officers	93
City Register	153
Department of Finance	221
City Comptroller	265
Board of Fire Commissioners	355
Commissioners for Opening Streets	511
City Librarian	521
Inspector of Buildings	529
Park Commission	557
Trustees of the Poor	607
Judges Appeal Tax Court	685
Commissioner of Street Cleaning	701
City Commissioner	753
City Collector	873
City Solicitor	893
Water Department	909
Harbor Board	997
Health Department	1029
Inspector of Gas and Illuminating Oils	1367
General Superintendent of Lamps and Inspector and Sealer of Gas Meters	1383
Visitors to Jail	1409
McDonogh Educational Fund Trustees	1449
Public Schools	

267367

MAYOR'S MESSAGE.

MAYOR'S OFFICE,

BALTIMORE, January 31st, 1887.

To the Honorable the Members of the City Council of Baltimore:

GENTLEMEN:

In submitting herewith my second annual Message to the consideration of the City Council, I feel justified in congratulating you on the return of a general and widespread commercial and industrial prosperity, not only to this community, but to the country at large. The signs of reappearing vitality in nearly all the practical activities of this city, which were visible on the business horizon at the opening of the preceding year, were not delusive. It may be remembered that a lucrative business for our merchants and good employment to our workingmen were then predicted.

Some, who apprehended a languishing trade, but who deserved to be rewarded, soon saw themselves walking in the sunlight of prosperity. Commerce and manufactures soon began to move forward; capital sought new investments in active business pursuits with increased confidence; prices advanced; business transactions multiplied; collections improved; and soon a general business recovery was perceptible in the salesrooms, warehouses, and factories of the city. This

general improvement all along the line was, unfortunately, marred by a few commercial failures; but these arose more from abnormal than from regular causes, and gave little check to the current and volume of trade. The chief causes of disturbance of the regularity of business were the labor agitations, which are now at rest, and there seems to be little immediate apprehension of the renewal of trouble in that direction. Whether the labor agitations will be revived to the extent of again interrupting the regularity of trade, I will not venture to predict; but all lovers of harmony, universal good feeling, and fair play must be intensely gratified to recognize the manifest existence of a more sympathetic feeling, as well as a higher degree of mutual confidence and respect, between the employers and the employed of this fraternal community. With labor and capital in confidential accord; with manufactures, commerce, and trade resting on a solid foundation, we may safely predict that the financial result of this year's business in Baltimore will be mutually satisfactory to both capital and labor.

I invite your attention to the following statement, which shows:

THE FINANCIAL CONDITION OF THE CORPORATION AS OF DECEMBER 31, 1886.

Amount of funded debt December 31st, 1886.	$33,463,289 64
Amount of guaranteed liabilities	1,492,000 00
Amount carried forward.	$34,955,289 64

Am't brought forward..		$34,955,289 64
Of this amount, interest is provided for:		
By the Baltimore and Ohio Railroad Company on.....	$5,000,000 00	
By the City Passenger Railway Companies on.....	755,566 25	
By the Water Board, from rents on.....	9,500,000 00	
By Union Railway Company on.....	117,000 00	
By Western Maryland Railroad Company on.	884,000 00	
		16,256,566 25
		$18,698,723 39
Productive Investments.		
32,500 shares of Baltimore and Ohio Railroad Company stock, market value $170...	$5,525,000 00	
Value of sinking fund.	5,743,425 07	
550 shares Baltimore and Reisterstown Turnpike Company..	2,062 50	
137 shares Baltimore and Frederick Turnpike Company.....	456 66	
625 shares Baltimore and Yorktown Turnpike Company.....	3,125 00	
Amt's carried forward..	$11,274,069 23	$18,698,723 39

Amt's brought forward.		$11,274,069 23	$18,698,723 39
Market houses, producing a yearly rental of.....	$50,000 00		
Improved wharf property, producing a yearly rental of.....	38,000 00		
Other real estate, producing a yearly rental of.....	7,746 76		
	$95,746 76		
Capitalized at 6 per cent.....		1,595,779 00	
			$12,869,848 23
Balance of debt over available interest bearing securities....			$5,828,875 16
Balance of debt over available interest bearing securities December 31, 1885.....			6,016,285 86

The Unproductive Asssets Are:		
Second mortgage on Western Maryland Railroad.....	$300,000 00	
Interest thereon to December 31, 1886.....	324,000 00	
		$624,000 00
Third mortgage on Western Maryland Railroad.....	$875,000 00	
Interest thereon to December 31, 1886.....	840,000 00	
		1,715,000 00
Fourth mortgage on Western Maryland Railroad	$1,000,000 00	
Interest thereon to December 31, 1886.....	870,000 00	
		1,870,000 00
10,000 shares Valley Railroad Company, of Virginia, stock—par, $100		1,000,000 00
7,600 shares Baltimore and Susquehanna Tide Water Canal stock—par, $50.....		380,000 00
4,000 shares Western Maryland R. R. Company stock—par, $50.		200,000 00
Am't carried forward...		$5,789,000 00

Am't brought forward..		$5,789,000 00
130 shares Baltimore and Havre de Grace Turnpike Company stock. Besides other property—such as court houses, record office, city hall, jail, police stations, fire engine houses and apparatus, school houses, alms houses, ice-boats, quarantine hospital grounds, public parks, &c.....	10,000,000 00	
		$15,789,000 00

COMPARISON OF DEBT DECEMBER 31, 1886, WITH THE DEBT DECEMBER 31, 1885.

Amount of funded and guaranteed debt December 31, 1885.....	$36,733,247 59	
Amount of funded and guaranteed debt December 31, 1886.....	34,955,289 64	
Decrease of the debt during the year..		$1,777,957 95
This decrease in debt is thus accounted for:		
The one million loan becoming due January 1, 1886, its redemption was commenced by the Commissioners of Finance, and there was paid out on this to December 31, 1886.....	$986,807 03	

Amount brought forward.....		$986,807 03
Leaving $13,193.97 not presented for payment, and on which interest was stopped.		
The redemption of the Valley R. R. Company's loan was commenced October 31, 1886, the date of maturity. There was redeemed to December 31, 1886.....		1,008,200 00
Leaving $7,100 unredeemed, on which interest ceased.		
There was also redeemed during the year City Hall 1884 loan, completing its redemption		1,000 00
And Consolidated 5 per cent. loan of 1885.....		56,950 92
Leaving $3,465.46 due, on which no interest is allowed.		
		$2,052,957 95
The Commissioners of Finance sold of the Jones' Falls 1900 3-65 per cent. stock at a premium of $6,249.09.	$120,000 00	
And of the loan for the completion of the Harford Run sewer, 4 per cent. 1904 loan, premium $17,150....	$155,000 00	
		$275,000 00
Showing a net reduction of the debt.....		$1,777,957 95

Though the funded and guaranteed debt amounts to $34,955,289.64, the tax levy for interest on the public debt is made only on $12,140,058.61, for the reasons set forth in the report of the Register of the City in Appendix to Statement A. Of this amount the city pays interest to itself on $3,994,036.22 in the sinking funds.

SINKING FUNDS.

The report of the Commissioners of Finance shows the value of the sinking funds investments, the city stock being estimated at par, as of December 31, 1886, to be.....			$5,743,425 07
The value of the same on December 31, 1885, was.....		$7,442,304 64	
From which deduct:			
Amount of City Hall 1884 loan redeemed.	$ 1,000 00		
Amount of Consolidated 1885 loan redeemed...	56,950 92		
Amt's carr'd.	$57,950 92	$7,442,304 64	$5,743,425 07

Amt's for'd..	$57,950 92	$7,442,304 64	$5,743,425 07
Amount of One Million 1886 loan redeemed . .	986,807 03		
Amount of Valley R.R. 1886 loan redeemed.	1,008,200 00		
		$2,052,957 95	
			$5,389,346 69
Thus showing the increment of the fund during the year to be			$354,078 38

For further particulars concerning the sinking funds, I refer you to the report of the Commissioners of Finance.

RECEIPTS AND EXPENDITURES.

The report of the City Register will show the income of the city from collection of taxes and other sources applicable to the support of the city government for the year ending December 31, 1886, to be	$4,703,477 79
The same for the year 1885 was.....	4,703,542 34

The Register's report also shows the expenses of the city government for the year 1886 to be.....	$4,643,077 21
Expenses for 1885.....	4,439,195 53
Being an increase this year over last of.....	$203,881 68

COMPARISON OF PUBLIC DEBT, 1880 TO 1886 INCLUSIVE.

Funded and guaranteed debt:

	Net Debt.	Debt.	Productive Assets.
1880.....	$5,868,398 70	$36,092,298 06	$30,223,899 36
1881.....	6,204,191 03	36,386,191 73	20,621,594 45
1882.....	5,872,714 05	36,945,691 73	21,141,571 43
1883.....	5,582,652 07	38,121,991 73	21,779,933 41
1884.....	6,175,503 30	37,543,591 73	20,493,682 18
1885.....	6,016,285 86	36,733,246 57	19,777,394 46
1886.....	5,828,875 16	34,955,289 64	18,186,848 23

Actual expenses of the city for the years:

1880.....	$3,947,799 27
1881.....	4,106,447 84
1882.....	4,108,377 90
1883.....	4,256,755 62
1884.....	4,282,992 53
1885.....	4,439,195 53
1886.....	4,643,077 21

Estimated collection of taxes made by the Committee of Ways and Means on a basis of $258,000,000, for the year 1886 was		$3,070,200 00
Estimated collection of taxes in arrears.		1,130,000 00
		$4,200,200 00
Collection made by collector, current taxes	$3,194,613 11	
Taxes in arrears	1,059,851 65	
		$4,254,464 76
Excess of collections over estimates		$54,264 76

FLOATING INDEBTEDNESS.

As against a floating debt of $55,379.53 at 1st January, 1885, and a surplus of $38,480.47 at 1st January, 1886, the gratifying exhibit is made of a surplus of $57,278.61 on the 1st January, 1887, as will appear from the full report of the Register.

CITY COMPTROLLER'S DEPARTMENT.

This officer presents a tabulated statement of the receipts and disbursements of the preceding year. Commencing with a balance on hand at the beginning of 1886 of $187,023.57, and ending with the amount increased to $257,615.68, he shows an aggregation of account for the fiscal year of $8,073,100.46. This satisfactory exhibit must necessarily commend the watchfulness and efficiency of the Comptroller to your special confidence.

In regard to an important retrenchment, he says:

"In my last report I called attention to the fact that in the disbursements to the Criminal Court the payment of attorneys' fees constituted a considerable item of expense, and suggested that the Legislature should be asked to repeal the law allowing such fees. It affords me much pleasure to be able to state that at the last session of the Legislature the law was repealed and so re-enacted as to relieve the city from the payment of the fees referred to, except in cases where, with a just regard for the rights of the accused, the court may appoint counsel for the defense. The amount expended for attorneys during the year 1886 is $1,680.00, of which $1,605.00 was paid out before the law became operative. The amount paid out for the same purpose during 1885 was $4,500.00."

A saving of at least $4,000 per annum is thus secured to the city by an act of the last Legislature.

I approve of the suggestion of the Comptroller, that an office be built for the Clerk of the Hanover Market. It could be constructed on the property of the city at that point for $500.00; while a rental of $180.00 is now paid for that purpose.

For a detailed account of the operations of this important and carefully conducted Department, I refer you to the Comptroller's report and the instructive tables which accompany it.

APPEAL TAX COURT.

The report of the Appeal Tax Court shows that the number of permits for the erection of new buildings

during the year was twenty-six hundred and thirty-two (2,632), and for additional improvements five hundred and twenty-eight; together, 3,160; being a decrease of four hundred and seventy-four from the year 1885. It also shows the number of new buildings and additional improvements assessed in the various wards, and the aggregate valuations thereof, viz.:

New improvements ..... 1,989.
Additional improvements ..... 316.
Assessed valuation ..... $3,587,900.

Which shows a falling off, as compared with last year, of seven hundred and thirty-eight in the first item, one hundred and ninety-two in the second, and $752,225 in the third.

The Assessor to the Appeal Tax Court, who furnishes these figures, is of the opinion that this check of progressive increase in our municipal development is entirely owing to the general depression of business caused by labor strikes.

It will be noticed that the assessment of personal property to the 1st of March, 1886, embracing the preceding year, is $1,626,315, against $3,250,937 for the year preceding that date.

I am pleased to state that the abatements allowed during the year just closed were $202,065, against $1,068,016 for the year previous.

These figures show that the officers of the Appeal Tax Court have been exceedingly watchful and circumspect in their duties.

EXEMPTION OF MANUFACTURERS' PLANT.

It is well known that the object of the city government in exempting manufacturers' plant from taxation was to encourage and increase manufacturing enterprises in our midst.

The ordinance providing for such an exemption has now been in operation six years, and the following abatements were made, in:

1881	$ 411,147
1882	514,867
1883	1,427,858
1884	1,574,503
1885	1,831,835
1886	1,983,522

It is the belief of the Judges of the Appeal Tax Court, based on observation and experience, that the object of the ordinance abating taxation on manufacturers' plant has not been realized. There has been no material increase in the number of factories here to justify these large and increasing exemptions. The fact is, the increase of manufacturing establishments since 1881 has been simply infinitesimal.

Judging of the debits and credits of the case as it stands to-day, the experiment may be regarded as one of questionable sagacity. It is believed that the ordinance has been given a broader application than was intended by those who secured its adoption.

It was not supposed when the ordinance was passed that corporate bodies, whose taxation is based upon

their capital stock, and not on their personal property, would claim to be beneficiaries under its operations; yet the fact is that they make annual application for the exemption of their plant from taxation. It would be difficult to point out the advantages to the city to be derived from abatement of taxation on the plants of these large incorporated bodies, such as gas companies, who contribute very little toward the promotion of manufacturing enterprises engaged in making articles of commerce and trade.

While it is my duty to state the relations existing between manufacturers' plant and taxation, in order that your honorable bodies may give such attention to this interesting question as its importance demands, I think it is due to myself to say, that I am a friend in close sympathy with all the branches of trade, manufacturing, commercial, and industrial, in operation this community.

It will be perceived, by referring to the Deputy Collector's report, that the late City Collector Thompson intended to recommend "the expediency of repealing the ordinance authorizing the exemption of 'plant' from city taxation." I will add, that he frequently expressed the same opinion with equal fullness to me.

TAX DEPARTMENT.

Owing to the lamented decease of the City Collector on the 8th inst., the report of this Department comes from the Deputy Collector, which shows that the collection of city and State taxes for 1886 was $4,836,281.94;

of which the city's portion was $4,406,670.68, and the State's $429,611.26. In 1885 the collection of city taxes was $4,434,490.55. The 1886 collections for the city were, therefore, $27,819.87 less than those of 1885.

The following table gives the sources of collections for the city in 1886:

On account of taxes in arrears	$1,059,851 65
On account of levy of 1886	3,194,613 61
Opening, closing, and widening streets, &c.	73,462 52
Grading and paving streets and alleys	78,742 90
Total	$4,406,670 68

On the levy of 1883—present basis $242,751,997—the total collections amount to $99\frac{92}{100}$ per cent.

On the levy of 1884—present basis $245,693,582—the total collections amount to $99\frac{83}{100}$ per cent.

On the levy of 1885—present basis $250,038,052—the total collections amount to $97\frac{92}{100}$ per cent.

On the levy of 1886—basis $256,240,655—the collections from May to December 31, 1886, amount to $73\frac{33}{100}$ per cent.; deducting amount of plant, $1,983,522, exempt from city taxation makes the percentage collected $73\frac{91}{100}$.

As to the questions of abrogation of discounts on the payment of tax bills; the expediency of repealing the ordinance authorizing the exemption of "plant" from city taxation; the payment of bills in semi-annual installments, instead of in full, as at present; and the

imposition of penalties for delinquency, I am free to confess that I have not given these subjects that careful examination which would entitle to weight any opinion which I might venture to give. Finding that the late City Collector had investigated these matters with some degree of thoroughness, I was quite willing to leave them to his judgment; and, as the Deputy Collector is not definite in his statements as to the system which he intended to recommend, I shall leave your honorable bodies to adopt such changes, if any, in the present system which your good judgment may indicate.

RATE OF TAXATION.

It was a matter of extreme regret to me that the rate of taxation was advanced last year to $1.70, being an increase of ten cents in the hundred dollars over the levy of 1885.

It is easy to account for six cents in the hundred dollars of this increase, for which the administration is in no way responsible. First, the Legislature, by increasing the police force of the city, added an additional expense of $61,000 upon the city government for its support; and then, the city received $65,000 less than heretofore from the Baltimore and Ohio Railroad Company in the way of dividends; these two items making the difference of six cents, to which I have referred.

The Ways and Means Committee unfortunately were not governed by the spirit of economy in their appropriations, and generally accepted the maximum amounts requested by the heads of departments, which made up the difference of four cents in the hundred dollars.

It is my ardent desire that the rate for 1887 shall be reduced to as near that of 1885 as is compatible with a proper administration of the city government, and I will co-operate with your honorable bodies in every possible way to secure the attainment of such a result.

Fortunately, by the exercise of judicious economy in some of the departments of the city government, we enter the new year with a surplus of $57,278.61, which, in itself, provides for an abatement in the general levy of three cents in the hundred dollars with which to begin.

THE ORDINANCE POSTPONING THE COLLECTION OF THE TAXES.

The City Council, at its short October session, passed an ordinance postponing the collection of the taxes of 1885 until the 15th of January, 1887. I was inexpressibly surprised at the adoption of such a resolution; in view of the fact, that I refused to sign a similar one, passed by the City Council in October, 1885, which came over to me as a legacy from the administration of my predecessor, who had declined to sign it during his term of office. In my last annual Message to the City Council I gave my reasons very briefly, but strongly, I thought, for the course I pursued; hence, to have signed the one to which I am now addressing myself, would have placed me in a very absurd and inconsistent position. While fully appreciating the benevolent motives which prompted the adoption of the resolution, I was unable, without violating my convictions of duty, to give it my official sanction.

Candor compels me to say that I am opposed to such a resolution as that on principle, and regard its introduction as a most dangerous innovation of the time-honored financial policy of the city government. In my judgment, the City Council could hardly have made a more radical departure from the usages of good government than is expressed in the body of that resolution. It strikes at the very foundation of its financial support, and takes away the momentum of its power. In making appropriations for the maintenance of the government, its fiscal resources should be placed above the chances of peradventure.

If its resources should be made arbitrarily unavailable, there could be no regularity maintained in the administration of its fiscal affairs. With a hampered revenue, its financial condition would present, from day to day, constantly recurring problematical questions as to the ways and means of meeting the deficiencies which would be felt in the various departments of the city government.

I thought it was unfair in the City Council, after making large appropriations for the support of the city government, to withdraw from the Executive Department the promised means of providing for them.

Such an act, to say the least, was threatening to the sound and essential principles of government; and the same practice applied to business would have been a deviation from the sound and essential principles of trade.

Moreover, I venture to declare, that few examples, if any, like this could be found in the history of the legislation of this country—national, State, or municipal.

So, viewing the question, I can see little to justify the action taken by the City Council to suspend the collection of taxes for a period of three months, at a time of profound peace and plenty. Such an innovation as was proposed would have been not only a grave mistake, judged by its immediate surroundings, but it would have established a precedent which future City Councils would have felt obliged to follow every year; and this would have required some important changes in the collection system of the Tax Department, so as to place the receipts and expenditures of the government, which would have been disturbed thereby, in more timely relation with each other. Besides this, it may be said that, had I signed the resolution, it may have created a floating debt of about $200,000, instead of having, as now, a surplus of $60,000 in the treasury.

I sincerely hope that the City Council will not deem it necessary to adopt a resolution so calculated to disturb the financial operations of the government as the one to which I refer.

It is due to the humanity of the late City Collector Thompson, as well as to my own kind feeling, to say that all needy taxpayers, who were really entitled to sympathy, were treated with all possible forbearance. I am not aware that any one was oppressed.

HEALTH DEPARTMENT.

The condition of the public health during the preceding year is a matter of sincere congratulation. The mortuary tables of the Department show a death rate of only twenty per 1,000; while the birth rate, which cannot be accurately ascertained, owing to the negligence of physicians to report, is supposed to be double the death rate.

Very gratifying results have been derived from the enforcement of the recent ordinance, which provides for the regulation of tenement-houses.

The increased powers given to the Department have enabled the Commissioner to stamp out epidemic diseases in their incipiency. Two cases of small-pox occurred at different times; but, by timely action and heroic measures, the disease was confined to the patients affected.

I suggested, in my last annual Message, the consideration of the question of the cremation of garbage. I believed then that no better means could be devised to dispose of this gigantic nuisance; and time has served to strengthen the judgment then expressed. I have been in frequent communication with the Health Commissioner respecting this important matter, and he has sought and obtained, through correspondence, at my request, much information concerning it.

The Commissioner learned that the authorities of Milwaukee, Pittsburg, and Wheeling have made successful experiments, not only in the cremation of

garbage, but of night soil, and the bodies of dead animals. It was his purpose to give with his report some wood-cut representations of the crematory apparatus, and explain the *modus operandi;* but he was unable to do so by reason of the fact that the inventor had not obtained his foreign patents, and would not permit the designs to go out of his possession.

It is encouraging to be informed by the Commissioner that the indications are favorable to the belief that the Health Department will be able, in its next annual report, to submit to your honorable bodies a practicable plan of cremation for the garbage, at least of which 33,849 cart-loads were removed last year.

I entirely concur with the Commissioner in his complimentary reference to the report of the Superintendent of Plumbing. It is an earnest and lucid exposition of a most important question of sanitation, and contains some admirable suggestions. His views on the gaseous emanations from decomposing sewage, unventilated soil-pipe, defective drainage, and water-closets, are worthy, not only of the careful perusal of your honorable bodies, but of all housekeepers.

The Commissioner estimates the pecuniary requirements of his office for the fiscal year at $82,600; which amount is in close correspondence with that of last year.

The report of the Assistant Commissioner is interesting and suggestive. Some idea may be formed of the accumulation of filth in the sewers, when it is

stated that 6,234 cart-loads were removed therefrom last year. Man-holes, at more frequent intervals, should be introduced for the more convenient removal of this pestilential substance; and proper traps should be placed at the inlets, to prevent the escape of offensive odors. Privy-wells are the chief agents for the development and propagation of zymotic diseases, and the utmost care should be taken to protect householders and tenants against the deleterious effects of these dangerous appendages to our dwelling-houses.

All will agree with the Commissioner in his views respecting the importance of a thorough and efficient vaccination. And, if you agree with his views concerning the necessity of a revision of the sanitary laws, I would advise you to make them more stringent and specific in their provisions.

QUARANTINE HOSPITAL.

The quarantine officer, after making a favorable report of the condition of the buildings at Little Hawkins' Point, calls attention to the state of the Pest Hospital, at the old quarantine station. The main building is dilapidated, and some repairs are greatly needed to render it inhabitable. The physician's residence is in progress of decay, and requires the hand of renovation.

It is proposed that the old barracks, which are time-worn and unfit for use, be burned; as the new ones, erected in 1882, are deemed to be amply sufficient to meet the demands of contagion for some time.

If your honorable bodies should determine that it is desirable to restore the old Pest Hospital property, about which there has been for some years much hesitation, it will be necessary to repair the old bulkhead, or construct a new wharf for landing purposes.

The completion of the seawall, and some riprapping, will be necessary to protect the bank in front of the buildings at Little Hawkins' Point; and the work should be pushed to the points of completion without delay. The character of the earth forming the bank is exceedingly light and crumbling, and under the action of the waves the disintegration is rapid. Much of the bank has been washed away since the city acquired the ownership of the property. The buildings are valuable, with no protection against fire, and I therefore suggest that the Hospital Physician be authorized, and provided with means, to purchase a sufficient number of fire extinguishers to put out a fire, if one should occur there.

For particulars touching the minor details of the report, I respectfully refer you to the original paper.

BAYVIEW ASYLUM.

The report of the Trustees of this, the most important of the city's charities, is particularly interesting. From personal experience, I feel assured that these gentlemen recognize fully their responsibilities as dispensers and overseers of the city's bounty towards the unfortunate beneficiaries of it. The report is well worthy of careful perusal. It shows that the number of inmates at December 31, 1885, was nine hundred

and ninety-four; that there were admitted during the year 1886 two thousand, two hundred and forty persons, and that thirty-nine were born at the institution within that period; making a total of three thousand two hundred and seventy-three who received the benefits of the asylum during the year. The average number was nine hundred and eighty-four and nine-twelfths. The number under the care of the Trustees at December 31, 1886, was one thousand, two hundred and sixteen; of which one thousand and eighteen are white, and one hundred and ninety-eight colored. The amount drawn, as per warrants, upon the City Comptroller during the past year was $79,993.93, less $2,661.40 received from sundry sources, and paid into the City Treasury, reducing the net amount expended by the Trustees for the period named to $77,332.53—the cost per capita being $78.53.

It is the popular belief that Bayview Asylum is the most comfortable almhouse in the United States, and hence it is always full to repletion during the winter months. It is the common habit of great numbers of tramps, who roam over the country in various directions during the summer and autumn months, to turn their steps towards Bayview Asylum for shelter during the cold weather.

It is a matter of fact that more than three-fourths of these idle creatures at Bayview are non-resident Baltimoreans; and it does not appear to be right and just that the people of this community should be taxed to the extent of $80,000 a year to support primarily such vast numbers of non-resident tramps who seek food and shelter so often at their expense.

I, therefore, suggest that reforms be introduced in the management of that institution, so far as to exclude that class of mendicants. I am informed that many of the cities of the Union, conspicuously those of Massachusetts, appropriate a sufficient sum of money to be used to send back to the States to which they belong that class of applicants for admission to their almshouses.

I sincerely hope that your honorable bodies will take some positive action looking to the removal of this great imposition upon the benevolence of our people.

This institution, since the close of the fiscal year, has lost one of its best equipped officers. Its late experienced Purveyor, Mr. Wm. H. Hiss, departed this life on the 4th of the present month, in the enjoyment of the respect and confidence of all who knew him within and without the sphere of his official duties. For the fifteen consecutive years during which he held that position, he was not only familiar with the requirements of the place, but was enthused with the spirit of the work which encompassed the office. His death creates an aching void in that institution; and few men could occupy his place without feeling for some time that they were filling the office on probation. The loss of so efficient a man, filling so important a public trust, is little less than a public bereavement.

INDIGENT INSANE.

It may be remembered that I have heretofore called the attention of the City Council to the large number

of indigent insane patients at Mt. Hope Retreat and Spring Grove Asylum, supported by the city. Some of these unfortunate creatures have occupied these asylums for twelve years; and, what was never intended, they were retained there long after all hope of recovery of their reason had ceased. This permanent support was never designed by the framers of the law, as its language fully implies, and, which provides, in alluding to the permit of admission: "That the said Mayor and City Council shall not be liable under any such permit for a longer period than one year from its date." The ordinance then further provides (seemingly the suggestion of an afterthought), "That such permit may be renewed from year to year, when, in the judgment of any one of the officers named in the section, such renewal should be necessary and proper." The officers are the Mayor of the city, the Commissioner of Health, and the President of the Board of Trustees of the Poor, or either of them.

It is manifest, from this language, that only the indigent insane, whose mania was supposed to be curable, were to be placed in these institutions at the expense of the city; but the law has been but little regarded.

The cost of maintaining these unfortunate persons, at the asylums to which I have referred, is $150 per capita per annum; the aggregate cost of which to the city last year was nearly $60,000. The general fullness of the city insane asylum at Bayview—and the injustice of sending one class of our indigent insane citizens to private insane asylums, and another class to Bayview,

will convince you that there is but one solution of the difficulty; and that is the erection of a special asylum for indigent persons afflicted with curable mania, where they can be supported by the city, as experience proves, at $90 per annum per capita, instead of $150—which is now being paid for their retention at Spring Grove Asylum and Mount Hope Retreat.

The economy of such an arrangement is so apparent that no argument would seem to be necessary to make it clear to the dullest comprehension. The interest on the cost of such a building for that purpose, and the necessary expenses of conducting it, would absorb only a small portion of the amount which the city would save by supporting all its own dependent poor at its own public institution.

STREET CLEANING DEPARTMENT.

The officer in charge of this Department again solicits your attention to the incompleted condition of its organization.

The ordinance creating it was passed five years ago, and conferred upon its executive head the full measure of power that was invested in the Department of Health in relation to street cleaning and removal of garbage; but it failed to invest him with authority to directly employ the persons to perform the work.

That the Mayor and City Council of a great city should have organized a department of the government, for the conduction of which more than two hundred and fifty thousand dollars ($250,000) are

required, without an executive head, is simply incomprehensible to the minds of unsophisticated citizens.

I will not discuss here the motives that actuated the proposers and organizers of this anomaly in departmental government; but I venture to say that the patience of the people is sufficiently taxed with this long-continued irregularity, and demands a reorganization that will secure more efficiency and subordination in that branch of the public service.

While the general superintendent is made responsible, by the ordinance, for the proficiency of the work performed by the district superintendents, he has no power over their actions. They are responsible only to the Mayor; but, as he has no time to supervise their work, they are practically a self-constituted body, and in all things do very much as they please, without any higher official supervision.

I believe I simply represent the general sentiment of this community, when I declare that the people are inexpressibly aggravated at this condition of things in that Department, and demand reorganization without delay.

Surely, a department of the city government which expended last year so large a sum as I have named, and asks for an appropriation of two hundred and sixty-four thousand dollars ($264,000), to meet the needed disbursements for 1887, should not only have an executive head, but he should be a man of great force and efficiency in the administration of his office. I express the hope, with some degree of earnestness, that you

will agree with me that the reorganization of this Department is essentially requisite for the promotion of the comfort and health of this city.

It is gratifying to have the assurance of the Commissioner that there has been improvement in the efficiency of the garbage system during the year. But, as I have said elsewhere, there can be no satisfactory result in that branch of the service that falls short of absolute cremation; and it is the earnest hope of the people of this community, that the day is not far distant when our wishes in that direction will be realized.

A contract was made for the removal of garbage from July 1, 1886, for one year, but no provision was made for the payment of the bills for the work; and I trust your honorable bodies will make the necessary appropriation, which amounts to eight thousand, two hundred and fifty dollars ($8,250).

HARBOR BOARD.

During the year 1886 the public duties of this unpaid commission have embraced: The maintenance, by dredging, of the necessary depths in the harbor, Middle Branch, Back Basin, &c.; and the excavation of an anchorage for heavy draft vessels detained at the quarantine station; and various other improvements, as will appear from the report. Their operations may be briefly summarized as follows:

The Back Basin has been re-dredged to fourteen feet depth; sundry docks have had sewer deposits removed;

the twenty-two-feet-deep channel from Shaw's to Johnson's coal piers was excavated to twenty-six feet; and the nineteen-feet depth re-established thence around the south side of the harbor as far as was necessary; and sundry other removals of sewer deposit, amounting to about twenty-five thousand cubic yards, have been made from about the Howard street and Chatsworth Run sewers. The area covered by these operations was about sixty-eight acres; the excavation amounting to 491,238 cubic yards, and the average depth of cutting about four and a-half feet.

The total cost of this work was $69,481.29, or about $14\frac{14}{100}$ cents per cubic yard of material removed.

There have been also important improvements made in the stone bulkhead at the City Dock, and the sea-wall at quarantine station; needed repairs also have been made to the various docks and wharves.

The tug *Baltimore* has undergone extensive repairs, to adapt it to the better performance of the severe duties required of it during the winter.

The city ice-boat, which was in continuous ice service (generally day and night) for about two months (January and February), and during the summer was used for the weekly excursions of the Free Excursion Society, has been thoroughly overhauled, painted, and repaired.

The re-survey of the harbor, for the purpose of establishing permanent marks or stations from which the pier and bulkhead lines established by the State

could be exactly located at any future time, independently of changes in wharves, bulkheads, or buildings, has progressed, so far as the hydrography is concerned, to the completion of the map for the main harbor; leaving the Main and Middle Branches yet to be surveyed. The work of establishing the permanent reference points alluded to has been performed by officers of the coast survey, and has been completed in the most satisfactory manner, involving, as it did, the most accurate geodetic work, both in the field and office. The result of this work is, that an accurate general survey of the whole city can be readily made at any time. This work should be prosecuted to completion, as it is a matter of every-day importance to our commercial and shipping interests, as well as a necessary item of the city records.

The general government, during the year, has made considerable progress in the work of widening the ship channels leading to our port; and it is expected that they will all have a width of at least four hundred feet by 1st July, proximo.

As it is claimed that this width is insufficient for safe transit by the large vessels now engaged in the transatlantic carrying trade, plans and estimates are now before Congress looking to an increase of width to six hundred feet, which, it is to be hoped, that our Representatives in Congress will urgently recommend.

Owing to the continued deposit of sewage and street washings from the city, as well as from a considerable area outside the city limits, continued dredging will be a necessity in our harbor, docks, and channels.

The continuance of the work of substituting a stone, for a wooden, bulkhead at the City Dock is deemed a step in the direction of true economy, this basin being the most valuable wharf property owned by the city.

I would suggest that the matter of utilizing the valuable property owned by the city, known as the "Seawall" or Marine Hospital property, be taken into serious consideration. This embraces a large tract of land, with a valuable water front of nearly one mile in length, but partially improved, and outside of any possible future requirements of the city for hospital or other uses. It is capable, at small cost, of being made immediately available for commercial and manufacturing purposes, having easy communication by water with the wharves on both branches of the river, and by the construction of a short line of railroad.

FIRE DEPARTMENT.

The usefulness and efficiency of this branch of the public service is too well recognized to need any special commendation. Few changes have occurred in the administration of the Department since the last annual report of the Commissioners; the most notable being the purchase of two building lots, by the city, for the erection of houses for the use of two additional truck companies, yet to be organized, and to be known as Nos. 5 and 6. They are respectively located on Aisquith street, near Oliver, and corner of Hanover and Ostend streets.

The Commissioners call for increased facilities for the extinguishment of fires, claiming that the expan-

sion of the Department has not kept pace with that of the city. I commend this statement to your deliberate consideration.

If it should be deemed necessary to organize an additional engine company to augment the force of the thirteen companies now in the service, I would suggest that you consider the question of locating it as near the centre of the up-town wholesale trade as possible; which is bounded primarily by Charles street on the east, Howard street on the west, Baltimore street on the north, and Lombard street on the south. The nearest engine houses to the middle of this district are: On the west, No. 1, located on Paca street near Fayette; on the east, No. 3, located on Lombard street between High and Exeter; on the south, No. 2, located on Barre street between Sharp and Hanover; on the north, No. 4, located on Lexington street near North.

The importance of protecting the commercial centre of the city against the chances of disastrous fires was fully recognized by the authorities of the old volunteer system. The old Friendship Company was housed on Frederick street near Fayette; the Patapsco, corner of North and Fayette; the Mechanical, on Calvert near Lombard; the First Baltimore, on McClellan's alley near Baltimore street.

Although the value of property has more than quadrupled in the district since the abolishment of the volunteer system, yet there is but one fire company now located within the limits I have already defined.

When you are reminded of the fact that perhaps the greater part of the merchandise wealth of Baltimore is embraced within these prescribed limits, and in the houses of the streets contiguous thereto, you may readily perceive the importance of the suggestion I venture to make. Anything like a conflagration in this centre of commercial values, which amount to many, many millions, might be as disastrous to the financial resources of our citizens as was the great Chicago fire of October, 1871, to the people of that ill-fated city, by which, it was said, that $190,000,000 of property were destroyed, and many insurance companies ruined. Or, perchance, as destructive as was the great fire of Boston, in November, 1872, when $75,000,000 of property were consumed.

The accidental death of firemen Francis D. Kerr, Charles L. Grund, and Henry Ryan, while discharging their duties at the unfortunate Camden street fire in November last, was not only harrassing to their fellow-members of the service, but painfully distressing to the community at large. The bravery displayed by these noble men on that occasion is akin to that which animates a patriotic soldier on the battle-field in defense of the cause of his country; and their heroism, which terminated in death, should be gratefully appreciated and remembered by the whole people of Baltimore.

The Commissioners ask for an appropriation of $206,454.25 to cover the current expenses of 1887, which amount is an increase of $10,000 over the expenditures of the preceding year.

For minuteness of statement and other minor details, I refer you to the report of the Commissioners; and, also, to that of the Chief Engineer, which accompanies it, in which you may find some valuable suggestions.

UNDERGROUND ELECTRICAL WIRES.

There has been no abatement of interest in this city in the question of placing telegraph, telephone, and electric light wires under ground. The abolishment of the overhead system of wires is a foregone conclusion of the citizens of this community. Their danger to life and property in the event of fire, and the unsightliness of the poles upon which they are strung, are grossly offensive to the public eye; and the protest of our people against them is universal and perpetual, if not always outspoken.

With the view of keeping well informed concerning the various movements that are now going on for the removal of this ever-increasing evil from some of the cities of the country, I instructed the Superintendent of Police and Fire-Alarm Telegraph to visit New York and Philadelphia, where much attention has been given to the subject, and where the system itself has been introduced, to ascertain what progress had been made in that direction. He had previously visited Washington and Chicago, by direction of the Mayor, on a similar mission of investigation, where he found that the system was in operation, was being worked satisfactorily, and was growing in extent and favor.

During his visit to Philadelphia he learned that the City Council had already passed an ordinance directing

that all aerial wires should be removed previous to January 1, 1885. For some reason the requirement was not enforced; and a supplementary ordinance was adopted postponing the enforcement, but placing the power to compel compliance in the hands of an appropriate board of the municipal corporation, of which the chief electrician is a member. He was interrogated by the Superintendent, and gave assurance of early and positive action on the part of the board to constrain compliance on the part of the companies. The Superintendent, in speaking of the feasibility of using one conduit for all the wires, makes the encouraging report that: "In the same conduit there is a six-wire anti-induction cable, one and one-quarter miles in length, used for telegraph and telephone purposes, which is laid alongside of the electrical light cable with admirable results." The progress that has been made in Philadelphia, in the adoption of the underground wire system, may be inferred from the fact that the following five companies have, some of them all, and others a portion of their plant under ground: The Philadelphia Sectional Electric Light Company, the Keystone Incandescent Electric Light Company, the American Telegraph and Long Distance Telephone Company, the Brooks' Underground Construction Company, and the Postal Telegraph. It requires no gift of prophecy to predict that the underground wire system in Philadelphia is an assured success.

In New York the Superintendent found many warm advocates of the underground system, even among the wire men. The companies had baffled the laws in the most audacious manner, and rendered their enforce-

ment a matter of apparent impossibility. A Subway Commission was then invested with extraordinary powers to devise and construct a general system of conduits, and to compel all companies using electrical wires to use the subways as constructed.

The concluding portion of the Superintendent's report, which I quote, explains the case with much perspicuity:

"The Subway Commission in July, 1886, contracted with the Consolidated Underground Telegraph and Construction Company to build or construct the subways upon the plan decided upon by them.

"This calls for the Dorsett system of conduits, which is improved asphaltum and sand-pipe, with two and a-half inch ducts or tubes that will accommodate from fifty to one hundred wires each. There are to be eight hundred miles of ducts, which, on an average of ten ducts to each conduit, would make about eighty miles of subway.

"The contract permits the company to charge a rental for each wire or cable, to be subject at all times to revision, alteration, amendment, and reversal by the Board of Commissioners, which will protect the telegraph companies from exorbitant rates.

"Four miles of double conduits have been laid of the plan mentioned, and it is the purpose of the commission to press the company until the entire contract is completed.

"The majority of the telegraph companies have decided to accept the situation, and place their wires in the public conduits as soon as finished.

"The year 1887 will, in all probability, see a general clearing out of wires and poles in New York city.

"While it is an acknowledged fact that the first cost of placing wires under ground would be considerable, still the great saving in general repairs, the impossibility of accidents from fire, sleet, or wind storms, or the destruction of the wires from atmospheric causes, would be extremely favorable to the finances of the companies, and, in time, would fully reimburse them for the increased outlay."

When we proceed to consider the practical means of relief, we may find it necessary to ask for the appointment of a subway commission here.

And, it may be further said, that many of the arguments and statements made by those opposed to this great improvement are undoubtedly erroneous, and misleading to the public.

With reference to the district telegraph and telephone companies, the effort made to create the impression that it would be necessary to tear up the streets for each and every wire, thereby entailing an extraordinary expense to the companies, besides greatly damaging our streets, is conspicuously absurd. In making a practical investigation of this question, I find that the conduit or pipe is laid two feet below the surface, with man-holes about every six hundred feet. Cables

containing from five to one hundred wires each are drawn through this conduit. The cables can be tapped at each man-hole, and a sufficient number of wires carried to the cellars of the four corner buildings to supply all demand for the four blocks. The wires can then be run from building to building, through small apertures cut through the cellar walls, or carried to the roof and distributed to each subscriber. Should it be necessary to run additional cables, or renew the old, they can be drawn from man-hole to man-hole without disturbing a stone in the street.

As to the ability of the telephone and telegraph companies to stand the financial strain which the change would occasion, it is only necessary to refer to the fact that, in this city alone, over two millions of dollars have passed into the pockets of the telephone stockholders in less than ten years, while the cash capital of the company did not exceed fifty thousand dollars.

The leading telegraph company of the United States commenced its career some thirty years ago, with a paid in capital of not over five hundred thousand dollars, and to-day is paying dividends on over eighty millions.

These are the companies who are placing every obstruction in the way of underground wires, but this opposition is not sincere, as indicated by certain legal proceedings now progressing in New York, where it is seen that, while the companies are, to all appearances, desperately fighting against the removal of overhead wires, they are grabbing for complete control of the system to place them underground.

My sole object in presenting this important subject to your consideration now, with so much fullness, is to arouse an active public sentiment among us against aerial wires, and in favor of the underground system. Experience proves that well-directed agitation is the most potent lever of success in any struggle between the power of the people and the power of monopolies, and, by creating that agitation now, public sentiment may become strong enough, at the next meeting of the State Legislature, to secure the passage of a law to relieve us of the evil of which we complain.

INSPECTOR OF BUILDINGS.

The report of the Inspector of Buildings is an unusually interesting document. Since his last annual communication to your honorable bodies, four new school houses have been completed, viz.: No. 23 Male and Female Primary, corner of Gough and Wolfe streets; No. 11 Male and Female Primary, corner of Gilmor and Mosher streets; No. 29 Male and Female Primary, Sharp street between West and Scott streets; and a large annex to No. 15 Grammar School, corner of Lexington street and Carrollton avenue. In the construction of all these buildings assurance is given that special attention has been directed to matters of light, ventilation, and the means of exit. Some needed repairs on other public school houses are reported to have been made; and valuable suggestions are submitted respecting needed improvements, especially the substitution of wooden for plaster ceilings.

In compliance with the recommendation made in my last year's Message, the new Fell's Point Market-

house, at the lower end of Broadway, for the building of which provision was made by your predecessors, has been erected; and, besides embracing many modern market-house improvements and conveniences, may be justly regarded as an embellishment to the immediate neighborhood in which it is located. He alludes to other improvements made in the Lexington, Hanover, Richmond, Lafayette, and Centre Fish Markets; the City Jail, Maryland Institute, and Hollins Hall.

A radical change of location in the water-closets of the City Hall is proposed, and, as cogent sanitary reasons are given therefor, I commend the recommendation of the Inspector to your careful investigation, and to your favorable legislative action, should you deem the change sufficiently desirable to justify the requisite pecuniary outlay.

The hydraulic passenger elevator recently constructed in the City Hall is a convenience and an assured success.

The observatory at Federal Hill Park, with pavilion attachment, is nearing completion, and will be a striking ornamentation to the park, and a convenient refuge for the people in times of rain, as well as a shelter from the hot rays of the sun. No better location for a signal station, to note the approach of vessels from the bay and the sea, could have been selected for the convenience of shipping merchants.

I am still of opinion that the re-numbering of the houses was a measure of doubtful expediency, and that the advantages secured by the undertaking are not

sufficient to compensate the community for the large public and private expenditure which it necessitated, and the great confusion it has produced in the accounts of the Tax office, the Water Registrar's office, the registration books, and in the delivery of the mails. The Inspector has no doubt that the re-numbering, when completed, will be of advantage to citizens and strangers; and I am quite willing to add the hope that his conviction may be verified by the result. I certainly agree with him in the opinion that the old numbers should be removed, and I trust that you may devise such legislation as will effectually accomplish the purpose.

The removal of swinging-signs, show cases, and other advertising devices extending over the sidewalks, effected by virtue of an ordinance which became operative on the 1st of January of the current year, has greatly improved the appearance of the streets of Baltimore. The beauty of our business thoroughfares was not only marred by these village-like appendages, but they were entirely stripped of their commercial impressiveness. Under the influence of a clamorous furor, our wholesale and retail dealers multiplied these objects until they became so numerous as to bring about a confusion of numbers. The original object of those who used them was thus defeated, and their final removal was effected, it is believed, with the entire approbation of the business community, as it was with that of the citizens at large.

I entirely approve of the views of the Inspector of Buildings concerning the question of bay-windows. I adopt what he says with unqualified concurrence:

"Granting permits for bay-windows has caused much annoyance during the year, and I would respectfully suggest the desirability of repealing the present laws, or so modify them that a bay-window shall not project over the sidewalk more than two feet from the building line, and also empowering his Honor the Mayor and the Inspector of Buildings to refuse a permit when, in their judgment, it is objectionable. As the law now stands, after the application has been advertised, and no objection raised, the applicant can demand the permit. In a large majority of cases the adjoining property-holders do not see the advertisement, and are unaware that a permit has been granted until the building is commenced, when it is too late to make objection, as a permit once granted cannot be revoked, according to the code."

The Inspector also recommends, with much earnestness, the necessity of a code of building laws for this city. The ordinances at present in force are deemed inadequate for the requirements of a progressive city. More stringent ordinances, to regulate the construction and inspection of buildings, would seem to be absolutely requisite to the safety of the lives and limbs of our citizens. Buildings of the most unsubstantial construction, over whose erection the city authorities had no control, have been run up without any regard to substantiality; and unless your honorable bodies shall restrict this recklessness by stringent legislation, we may some day witness in this city a modified Brooklyn house-tumbling disaster.

Permits for the building of sheds can be obtained from the Inspector of Buildings on the payment of

very small fees; and yet it is a common practice for those who desire to erect such structures to apply to the City Council, through a friendly member, for the passage of a resolution to secure the right free of cost. This is not only reducing legislation to petty proportions, but depriving the city of a portion of its rightful revenue for the support of the government. I sincerely hope that your honorable bodies will set your faces against such legislation as this.

There are some other matters of minor importance to which reference is made in the report of the Inspector, and I commend its perusal to the members of the City Council.

It will be perceived, by reference to the report, that he expended in 1886 $140,281.66, but that he will only require for the present year, for repairs and construction, $46,275.

You will also be convinced that the Department has been run with commendable carefulness and economy.

REMOVAL OF SIDEWALK AWNINGS.

The removal of swinging and projecting signs having been attended with such satisfactory results, and having received such general approval, I feel encouraged to recommend the removal of all street awnings, and awning-frames and posts that stand upon the sidewalks. They are a greater detriment to the beauty and convenience of our streets than were the swinging signs and that family of eye-sores. The awning-posts obstruct the sidewalks in some parts of the city to a

serious extent. On a portion of North Charles street, at certain periods of the day, they greatly impede free pedestrianism, and their removal, desirable now, will eventually become absolutely necessary. They act as a screen to the beauty of our commercial architecture, and thus detract from the symmetry of its proportions. Besides, the pavement awning, as at present constructed and used, is about the least beneficial form in which it could be applied to subserve the purposes for which it was designed. Its only practical use is to shelter the show-windows from the sun; but while it accomplishes that much for the dealer who uses it, it makes his store dark at an early hour in the afternoon, and continuously gloomy during a cloudy or rainy day. The abolishment of this style of awning, and the substitution therefor of a folding awning, which is used with much convenience, neatness, and success in the business streets of Boston and elsewhere, would be a great gain in the way of light to our stores, as all the possible daylight procurable could be gained at short notice by raising the awning. There would be no necessity to use such an awning on the west side of a street after noon, and awnings on the east side of a street could be raised as soon as the sun threw the shadows of the houses on the west side to a line above the show-windows. I have noticed that the stores on the western side of the streets using awnings in front are, during the fall and winter seasons, compelled to do business by gaslight, even on a bright day, long before sunset. The saving in gas would soon compensate the proprietors for the outlay they would be compelled to make to effect a substitution. The same system would apply with equal force, but not with the same regularity, to business streets running east and west.

I submit these reasons for a change in our awning system to your careful consideration, and sincerely believe that they will not only commend themselves to your approval, but to the favor of the business men of this community, who are directly interested in the question.

COMMISSIONERS FOR OPENING STREETS.

The report of this Department shows that eleven streets and two alleys have been opened; and thirty-five streets and eleven alleys are in process of opening; two streets and eight alleys are in process of closing. Three ordinances have been repealed for the opening of streets. The amount charged to the city was $122,062.14.

WATER DEPARTMENT.

The following statement exhibits the financial condition of this Department:

Balance to the credit of the Department on the 31st December, 1885		$105,745 81
Which amount was credited to the following accounts, viz.:		
Permanent supply	$ 3,833 52	
Lake Clifton	63,059 84	
Revenue	38,852 45	
	$105,745 81	
Add the net receipts from all sources during the year 1886		$656,367 42
Gives aggregate available sum of		$762,113 23

Amount brought forward		$762,113 23
The disbursements during the year ending December 31st, 1886, amounted to		730,334 26
Leaving a balance at 31st December, 1886, of		$ 31,778 97
Which belongs to the several accounts as follows, viz.:		
Permanent supply	$ 3,833 52	
Lake Clifton	606 00	
Revenue	27,339 45	
		$31,778 97

During the year there have been laid over sixteen miles of pipe, varying from $1\frac{1}{2}$ to 10 inches in diameter. There have also been introduced during the same period 2,707 new supplies, with an estimated annual rental of $20,000.

The Commissioners report that the rapid improvements which have been made in the sections supplied with water from Jones' Falls, and the marked decrease in the flow of the streams tributary to Lake Roland, necessitates an addition to the volume of water in Druid Lake and the High-service Reservoir, which they propose to accomplish by placing the pumping-engines, now located near Meredith's Ford, in Baltimore county, in the ravine near Mount Royal, and pumping from thence ten million of gallons of Gunpowder water daily into the various reservoirs within the Park. This quantity will nearly equal the daily flow of Jones' Falls and Roland Run. Immediate attention, also,

will be given looking towards an increased supply of water in the eastern, northeastern, and southern sections, including Locust Point.

It is gratifying to note, in the words of the report of the Commissioners, that "the constant increase in the revenues of the Department, and the economy of its management, encourages the hope of further lessening the burdens of the taxpayer and water-consumer at an early day."

The one million water loan, authorized by the vote of the people at the last October election, may be regarded as a judicious and timely measure. Inasmuch as several years will elapse before the whole amount could be expended in the manner intended, it is somewhat unfortunate that the rate of interest on which the loan can be negotiated is limited to three (3) per cent. While I believe that city stock may be again sold at that rate of interest, the city paying the State tax thereon, I am inclined to believe that the expansion of trade, and the consequent increased demand for money, will advance the rate of interest very soon above that minimum point. Should my views on that point be confirmed by experience, only a comparatively small portion of the new water loan could be negotiated at that low rate. Should an advance take place in the market rate of interest on city securities, rendering negotiation impossible at three per cent., one or the other of two acts will be necessary, viz.: To get the necessary authority to increase the rate of interest on the new water loan, or to put the stock in the sinking funds as the money may be needed, and to sell in substitution

thereof the long premium bonds already therein, as was done, to a partial extent, in the matter of the new three and a-quarter per cent. Western Maryland Railroad bonds. As it is possible for the city to do one or the other of these things, I see nothing to check the contemplated extension of our water system.

In closing this review, I must be permitted to say that it would be foreign to my sense of appreciation of a life devoted to gratuitous services for the promotion of the public welfare, if I did not ask you to join with me in expressions of mutual regret at the sudden death of the late Secretary of the Water Board, Mr. George U. Porter. I can bear testimony to the fact that I have seldom met a more conscientious and painstaking citizen in the discharge of the duties of a non-compensated public office. Performing the duties of a trust which he had voluntarily assumed, with modesty and sincerity, he had the good fortune to enjoy the unqualified confidence and respect of every one who had the opportunity of knowing so excellent a man.

CITY COMMISSIONER'S DEPARTMENT.

You will find the report from this important and active Department of the public service a voluminous affair, and to many it will be extremely interesting.

The condition of the streets, with reference to the matter of pavements, and about which there is so much complaint, has, undoubtedly, received the earnest attention of the Commissioner. While he does not deny that the complainants have good cause to be dissatisfied, he shows very clearly that the present administration

is not at fault in the matter. First, he alleges, what we all know to be true, that the newer sections of the city were indifferently paved, and that no attention was given to repairs; that there has been a boundless recklessness in the mutilation of our city's highways, to the extent of hundreds of miles, by the several gas companies located in this community; and that many miles of drain-pipes have been laid to sewers and other points where water flowed, or where water was to be found. The removal of the pavements to lay these pipes broke, in every case, their regularity. As a matter of course, the pavement sunk, and the surface lost its evenness. This irregularity of surface can only be overcome after the lapse of years, and sometimes a general re-paving is necessary to accomplish it. The city is certainly entitled to some indemnity for the injury inflicted on its streets by the means which are mentioned, and same should be rigidly exacted. The Commissioner declares that the city is justly entitled to a rate of compensation, for the infliction of such damages, commensurate with the value of the franchise to the beneficiary, or with the cost of restoration.

The amount appropriated for the repairs of streets was $75,000—nearly all of which was expended for the purpose.

Considerable progress has been made in the laying of new pavements during the year. The following sections of streets were laid with Belgian blocks during the year: Liberty street from Saratoga to Lexington; Saratoga street from Charles to Cathedral. The following sections of streets were laid with asphalt

blocks: Chester street from Monument to McElderry; McElderry from Chester street to Duncan Place; Duncan Place from McElderry street to Monument, embracing the blocks around the Northeastern Market. The asphalt block pavement on Charles street between Madison and Read streets being in bad condition, was re-laid primarily at the expense of the Maryland Paving Company, and a similar arrangement was made with said company for re-laying the pavement on Charles street, between Read and Eager. The asphalt block pavement on Mount Vernon and Washington Places is being re-laid by the said company at its expense, owing to the unsubstantial character of the paving blocks first laid down under guarantee of first-class work to the city.

The Commissioner directs your attention to the fact that no appropriation having been made to carry out the ordinance to build a retaining wall on the Falls Road from Maryland avenue to the city limits, he has done nothing towards the accomplishment of the object. It appears to me that that work is a necessary public improvement. The Falls Road, communicating with Maryland avenue at the bridge, is the only wagon road from that direction of Baltimore county into the city; and hence, apart from the matter of public convenience, there are sound business reasons why the improvement should be made.

Even more important as an inlet into Baltimore for purposes of trade is Light-street bridge, which connects the city with Anne Arundel county, and every possible facility on it for rapid transit should be given.

With the view of effecting this, the Commissioner recommends the removal of the cumbrous and most unsatisfactory draw-bridge now in use, and the substitution therefor of a pivot or swinging draw of the most approved design. The approval of this suggestion would seem to be demanded by the requirements of public convenience, as well as the spirit of the age.

Many other questions belonging to the City Commissioner's Department are treated most intelligently in his report by that most competent and painstaking officer. His statements and views respecting sewers, repairs of streets, improved pavements, and the paving of new streets, as well as repairs of bridges, the establishment of grades, gutter-plates, &c., &c., are entitled to your careful consideration.

SEWERS.

I regret to say that there has been little accomplished in the matter of improvement in sewers since my last annual Message to the City Council, except such for which provision had been made previous to my installation into office. I investigated their condition a year ago with much interest and considerable minuteness, and found that, while the recommendation of a general system was neither requisite nor timely, some extensions and enlargements were essentially necessary to the health and comfort of our people. To accomplish these objects, and to acquire the means of undertaking other public improvements, which seemed to demand

attention, I asked the City Council for authority to borrow the money by means of a public loan. I asked for $1,000,000, and the money could have been borrowed at about 3 per cent. The Council did not reach a vote on the measure. The failure to pass the ordinance was a mistake, in my opinion. Thirty thousand dollars would have been the interest on the loan, and this would have added only one and a-half cents in the hundred dollars to the levy. While I have lost hope of obtaining the desired results, my interest in the question has suffered no abatement. But, with a general desire for a reduction in the taxes, I cannot see how the city could spend money for the extension and enlargement of the sewers; hence, I will not do more than direct your attention to the very full and explicit reports that have been prepared by the City Commissioner and his intelligent assistants in the City Commissioner's Department.

The elaborate and intelligent report of Engineer Hook, on the construction of Harford Run sewers, is especially worthy of your careful perusal.

BOLTON DEPOT PROPERTY.

The Bolton depot property, which the city received from the Northern Central Railway Company in exchange for other property, has been formally passed over to the municipal authorities. Many adverse opinions have been expressed concerning the condition of the exchange, which need not be repeated in this communication. The only question remaining for consideration concerns the best means of disposing of the property. I recommend that it be surveyed, and laid

off into four blocks—graded, paved, and kerbed—and sold in lots at public auction to the highest bidder. I sincerely believe that this is the most advantageous plan of selling this property. Advertised to be sold at public auction, with the outlines of the lots clearly defined to the eye of investors, the bidding would be certain to reach a price equal to the fair value of the property. This plan, while new to the people of this city, is not original. It is the universal practice of the municipal authorities of Paris, when the city comes into possession of property by condemnation for purposes of public improvement, to sell the lots at public auction to the highest bidders. I am sure the plan is a good one, and will work well here.

I trust your honorable bodies will pass an ordinance making the necessary appropriation to carry out the plan of improvement, as to this property, which I have suggested.

CITY LIBRARIAN.

The report of this officer gives in detail what has been done in his Department during the year.

The accumulation of documents and valuable books, which has been going on for a number of years, has resulted in making this literary department of the city government an exceedingly interesting branch of the public service.

It will be seen that the Librarian suggests, that in order to carry out efficiently the work of procuring, copying, and filing the plats of all the property in

which the city may be directly or indirectly interested, an appropriation of $1,000 would be desirable.

INSPECTOR OF GAS AND ILLUMINATING OILS.

The report of the Inspector of Gas and Illuminating Oils seems to show plainly the importance of a rigid inspection of kerosene oil. In 1878, the year before the ordinance was passed, there were ninety-one accidents with illuminating oil; fifty persons were burned, and of these fifteen died. In the year 1886 there were five accidents; no one burned seriously, and no deaths. During the year 1880, the first year the law could be enforced, five thousand, three hundred and seventy-six samples of oil were inspected, and two hundred and fifty-eight were condemned as dangerous. In 1886 five thousand, eight hundred and fifty-one samples were inspected, and twenty-one condemned.

The Inspector reports the gas supply as having been steadily, during the year, much above the standard, but is unable to specify exactly how much above, for the want of instruments fitted for exact observations. The apparatus in the office, originally purchased in 1860, has long been, in great measure, worn out, and should be replaced. The state of the city finances has prevented any appropriation for this purpose in years past; but at present, when the receipts into the treasury from the operation of the ordinance exceed all the expenses of the office, the surplus might be very properly applied to procuring the instruments needed. As the ordinance was intended for the protection of the public, and not to provide revenue to the city, it

would seem only right that the expenses of the work, should be paid out of the proceeds supplied by the work.

And I would recommend the appointment of a committee to confer with the Inspector, and report what is required for the regular work of the office.

UNIFORM SYSTEM OF APPOINTMENTS.

There was no measure recommended to the consideration of the City Council in my last annual Message which received the approval of my judgment to a greater extent than that concerning the adoption by the Mayor and City Council of a uniform system of official appointments. Being fully convinced of its merits, and that it would be fully approved by the people, I requested the City Solicitor to prepare an ordinance, to be presented to the City Council, possessing the necessary provisions to carry out my recommendations.

In conformity with my wishes, the bill was introduced in the Second Branch of the City Council by a friend of the administration; but that body, not being in sympathy therewith, defeated the measure in the most summary manner. My appreciation of its merits has undergone no abatement. I thought then, and I think now, that the City Council should adopt it.

I recommended that the tenure of office should be for two years, commencing on the first day of March succeeding the period of each mayoralty election. Of course, if the present session of the City Council should

favor my recommendation, it would be necessary to change the ordinance, so far as to make the appointments, at the beginning, for one year only, as one year of my administration has expired. It is my opinion that the subordinate officers should commence and end their terms at periods somewhat corresponding with the official term of the Mayor.

There is no man in the community who has a correct idea of practical politics, who does not know that political harmony in the officialty of the administration adds largely to its success and efficiency. Such harmony can only be certainly secured by the plan of appointments I have the honor to propose. The present system of appointments is a comical medley. The City Collector and others are appointed for one year; the City Comptroller is appointed for two years; and the City Register is elected by the City Council for two years—and, if he should prove to be antagonistic to the Mayor, that official has no means of checking the embarrassment in the administration of the government which his policy might produce. There seems to be no good reason why the three Fire Commissioners, and the three Commissioners for Opening Streets, each one, should be appointed for different terms, say one, two, and three years; while the three Judges of the Appeal Tax Court should all be appointed for one year.

The same want of uniformity exists in the departmental and institutional boards of the city government.

I sincerely trust that the City Council will take early action on this important measure.

WESTERN MARYLAND RAILROAD COMPANY.

The report of the operations of this road, in which the city of Baltimore is so much interested, shows that for the year ending 30th September, 1886, the net earnings have increased $7,001.04 over those of the year ending 30th September, 1885, and that there has been a decrease in the cost of betterments of $24,957.03 for the same period. When the unfavorable conditions existing during the fiscal year are regarded, such as the continued depression in general business, the serious interference caused by heavy snows, strikes in the coal regions—suspending not only the coal traffic, but doubling the price of coal—and other interruptions, the above showing must be considered as comparatively satisfactory.

It will be observed that the company has paid during the past three years $230,854.52 for trackage to the Baltimore and Potomac and Northern Central Railroads; $73,548.63 were paid for the year ending 30th September, 1886.

While the president and directors of the Western Maryland Railroad Company are hopeful that some material abatements in the cost of trackage will soon be made by the Baltimore and Potomac and Northern Central Railroads, it would be fortunate for the company if it could make some arrangement to locate an auxiliary depot for freighting purposes on the line of its own undisputed tracks—existing or to be built—west or south of Hillen Station. Several schemes have been proposed looking to the accomplishment of such an object, but whether they are sufficiently feasible to

command the serious attention of the company only a fuller investigation of the question could demonstrate. I confess that I am not sufficiently informed upon the matter to make any decided recommendations in that direction.

This has been an important year in the history of this road. The first, preferred second, and second mortgage bonds of the company, owned and guaranteed by the city of Baltimore, amounting to about $1,700,000, and bearing six per cent. interest, have been substituted by a three and a-quarter per cent. city stock, by which a reduction of nearly $50,000 in the annual payment of interest was secured. Inasmuch as the bonds redeemed were payable *on or before* the 1st of January, 1890, it is to be regretted that either the city or the company did not move in the matter of redemption at an earlier day.

I sincerely trust that the hopes of advantages to the city, so generally expressed by the president and directors of the Western Maryland Railroad Company, that the consolidation of the Baltimore and Hanover, Bachman Valley, and Hanover Junction, Hanover and Gettysburg Railroads—organized under the laws of Maryland and Pennsylvania as the Baltimore and Harrisburg Railway—the control of which has been secured by the Western Maryland Railroad Company, will be fully realized.

NEW WESTERN MARYLAND RAILROAD LOAN.

There has been some question as to whether the Commissioners of Finance acted for the best interests

of the city, and consequently of the taxpayers, in fixing the rate of interest upon the new loan at three and a-quarter per cent., instead of three and a-half per cent., as had been at first proposed, and in purchasing a portion of the new loan for the sinking fund. As the matter has been discussed somewhat in the public prints,and for the most part by persons who took either an erroneous or an incomplete view of the questions at issue, an account of the transaction is introduced here for the purpose of removing any existing misapprehensions.

The duty devolved upon the Commissioners of Finance of fixing, within the limits of discretion allowed them by the ordinance authorizing the loan, the rate of interest at which the stock should be issued. That a public loan should be placed at the lowest rate of interest compatible with the sale of the bonds at par is a principle of finance which will hardly be disputed. In the exercise of their discretion, the Commissioners of Finance fixed the rate of interest at three and a-quarter per cent. per annum, which is one-fourth ($\frac{1}{4}$) per cent. below the maximum allowed by the ordinance. The saving secured to the taxpayers by this reduction is $4,250 yearly, for the forty years for which the stock has to run. At this low rate of interest more than two-thirds of the loan was placed at par, either by exchange, made in accordance with the terms of the ordinance with holders of the bonds of the Western Maryland Railroad Company, or by sale to outside purchasers. The remainder the Commissioners of Finance, who are by law required to invest in the city stock, determined to take for the sinking fund, selling at the same time certain stocks

which were of shorter date, but, on account of bearing a higher rate of interest, could be disposed of at a high premium. As a result of this change of investments the present annual interest-revenue of the sinking fund is reduced about $4,200, but more than half of this reduction is due to the exchange of stock which had but thirteen years to run, while the saving of interest above referred to extends for forty years. The diminution in the present interest-revenue of the sinking fund is in large measure counterbalanced by the increase in the face value of the stock held, due to the investment at par of the premium upon the securities sold. This increase is about $97,000.

The results of the entire transactions are briefly summed up in the following statement, which was prepared, at my request, by a gentleman who has given special attention to questions of finance:

Amount of saving of $4,250 in interest annually for forty years		$170,000 00
Less amount of State tax, for which the city becomes liable, upon the stocks sold at present rate of taxation:		
$325 for thirty years	$9,750 00	
204 " thirty-four years	6,936 00	
375 " thirteen years	4,875 00	
		21,561 00
Aggregate saving in amount of future levies for interest, through reduction of the rate on the new loan		$148,439 00

On the other hand, the loss to the sinking fund, through the exchange of investments, will be:

$1,330 in interest, annually for thirty years		$39,900 00
346 in interest, annually for thirty-four years		11,764 00
2,517 in interest, annually for thirteen years		32,721 00
$4,193		$84,385 00
Compound interest thereon at 3½ per cent		42,380 00
To which may be added accrued interest for sixty days on stock sold	$3,838 00	
Compound interest thereon at 3½ per cent., computed to the maturity of the several loans	4,614 00	
		8,452 00
		$135,217 00
From which must be deducted the increase in the face value of the stock held from the investment of the premium on the stocks sold		97,148 00
Leaving ultimate loss to the sinking fund, including compound interest		$38,069 00

It will be seen from the above statement, showing the effect of the entire transactions, that a saving of

more than $100,000 has been secured, and the interests of the taxpayers have been well protected. The diminution in the interest-revenue of the sinking fund results from the fact that the taxpayers will be called upon to pay a lower rate upon the new loan; and the saving upon that extends to more than $1,000,000 of the stock in the hands of private holders. If the placing of this large loan at so low a rate of interest should facilitate the placing of future loans upon more favorable terms than heretofore, the indirect benefits of the action of the Commissioners of Finance in this case will prove to be greater and further reaching than can now be estimated.

ADULTERATION OF FOOD.

The suppression of adulteration is due to the age in which we live, and we are bound, by a sense of duty to ourselves, as well as to our fellow-men, to adopt and enforce such legislation as may be necessary to extinguish the evil. The profits derived from adulteration are so great that unscrupulous traders will not only continue the practice, but will still further augment the wickedness, unless it is checked by laws sufficiently stringent in their provisions, and severe in their penalties to check it. The sanitary conventions held in the various States of the country, whose members are aware of this dreadful curse, have exposed the injurious effect of adulteration, and implored legislators to pass some adequate measure of relief.

It is alleged that there are, in all large cities, many persons who are selling from day to day diseased meat, impure milk, preserves, candy, pastry, wine, drugs, and

medicines. No greater crime, less than actual murder, in my judgment, could be committed against the public welfare than that of food adulteration; and as the love of money is a paramount passion in some men, and the gains of adulteration very great, the only means of suppressing it is by the application of the severest penalties. Heroic measures must be adopted and enforced for its extinguishment. Mild means will not suffice. The large commercial gains of adulteration excite the cupidity of men engaged in the practice, and the best means of checking it is to treat the question as a death-dealing and health-destroying public enemy.

Complaints of adulteration are often presented to the city authorities, and some provision should be made by your honorable bodies for the detection and punishment of the persons engaged in such a reprehensible business. The appointment of inspectors of adulterated food, as a means of exterminating this deleterious practice, is earnestly recommended.

ENOCH PRATT FREE LIBRARY.

This noble charity, one of the most unique and far-reaching endowments of modern times, has more than filled the measure of public expectation. Much was promised for it by its friends on the day of its inauguration, but its success has transcended their most sanguine hopes. A free circulating library, such as Enoch Pratt has endowed, may be regarded as the most available librarian means for the dissemination of learning that has ever been adopted in the civilized world.

The founding of this library was a momentous occasion in our municipal life, and the influence of that institution has been a most powerful agent in extending a taste for the reading of books among our people.

The practical results of this great benevolent foundation may be more fully appreciated and comprehended by a recital of some extraordinary facts. In the first annual report of the trustees may be found, that in the central library and its four branches there are 45,109 volumes. The number of persons registered during the year was 25,963. There have been issued 410,215 books, and 90,827 periodicals. There have been presented to the library since its foundation 1,214 bound books, and 1,387 pamphlets. It is not too much to say that it is constantly increasing in usefulness and popularity.

That this estimable benefactor may live many years, to enjoy the thanks and gratitude of the beneficiaries of his endowment, and of all who appreciate the intellectual advantages to the people of his great work, is the earnest hope of all his contemporaries.

GENERAL SUPERINTENDENT OF LAMPS.

The eighth annual report of this painstaking officer gives in detail the operations of his Department. He makes the unusual, but most satisfactory announcement, that all the gas supplied by the different gas companies is of slight variation from the same specific gravity. This attainment of regularity in the quality of the gas enables the Superintendent to use burners of

one standard, while, heretofore, the burner had to be adapted to suit in every case the specific gravity of the gas. In consequence of the cheapness of gas, and the demand from many citizens for a more general and prolonged lighting of the lamps, the Superintendent determined, with my approbation, to try the all-night system. This is not only approved by those who are obliged to move about at all hours of the night and early morning, but may be regarded as a preventive of much nocturnal burglary. Such thefts, it is admitted, have been heretofore effected in the early morning hours, after the street lamps had been extinguished.

In consequence of the low price of gas during the past year, the Superintendent shows an unexpended balance to the credit of gas and electric light account of $43,493.43, against a deficiency last year of $7,358.72.

There have been one hundred and ninety-two new gas lamps erected, and one hundred and eighteen discontinued; making the number now nightly lighted five thousand and thirteen. To these must be added one thousand and forty-two gasoline lamps now in use.

There have been erected during the year sixty-seven new electric lights, as against one hundred and sixty-six for 1885; making the number now in operation four hundred and seventy-six. It must be admitted, that for purposes of street illumination, the electric light has no equal. It may be justly regarded as one of the most appreciable inventions of modern times. It is not only a cheerful object at the lonesome hours of night, but it is a veritable safeguard to life and

property at such a time, and hence a valuable auxiliary to the night police. There is but one objection to its general adoption as a means of illuminating the streets and public parks and grounds of the city, and that is its great costliness. It exceeds the expensiveness of gas by 300 per cent. It is this which has prevented the Superintendent and myself from complying more generally with the demands from various quarters of the city for the substitution of this popular illuminator. But while declining to comply with the applications coming from persons living on fairly-lighted streets and avenues, we have been somewhat liberal in the placing of the lights on the dark bridges, and on the dangerous lanes, alleys, and corners of the city. It is a matter of much regret to those who comprehend and appreciate the advantages of electric lights as street illuminators, that the price for their use is so high. The contract for these lights with the Brush Electric Light Company will expire this summer, and it may be possible to make a new one at such a price as will justify the city in making a more liberal use of that agency for lighting purposes.

The Superintendent recommends the placing of electric lights in the middle of the streets, at the intersections thereof, by some diagonal invention. I think that the suggestion is at least deserving of your investigation. As to the matter of additional expense and greater diffusion of light, I commend the report in detail to your perusal.

PUBLIC SCHOOLS.

The report of the Commissioners of Public Schools gives much interesting information concerning the work,

during the past year, of this important branch of the public service.

The Commissioners have under their charge one hundred and thirty-six schools; of which one hundred and twenty-four are day schools, and twelve evening schools. Forty-one thousand, two hundred and fifty-six pupils were on the rolls at the close of the year, under the instruction of one thousand and eleven teachers. The average daily attendance was thirty-three thousand, five hundred and eighty-one, being one thousand, four hundred and eleven less than for the last year, for which no reason is assigned by the Commissioners.

The total receipts from all sources were as follows:

City Collector	$565,703 57
State Treasurer	156,814 69
Non-resident pupils	5,592 47
Intestates' estates	502 21
John F. Plummer (interest on legacy)	129 58
Sale of old desks	60 00
Total	$728,802 52

The amount received from the City Collector was more, and from the State Treasurer less, than during the previous year.

It will be noticed, from the report of the Board, that while the city paid to the State, as its proportion of the school tax, the sum of $282,968.87, it only received $156,814.69; thus having paid $126,154.18 more than it received.

The expenditures were as follows:

Salaries	$585,544 50
Rents and ground rents	33,138 66
Books and stationery	41,927 40
Heating apparatus and repairs	11,373 17
Furniture	13,792 65
Fuel	17,365 08
Repairs and cleaning	7,587 23
Printing, supplies, and incidentals	10,141 63
Manual Training School	8,972 53
Evening schools	4,220 26
Total current expenses	$734,063 11
Paid for lot of ground on Caroline street, for use of Primary School, No. 8	5,000 00
	$739,063 11

And, by the Inspector of Buildings, for new houses and general repairs of old buildings, $71,690.91.

The receipts and disbursements of this Department are about equal.

The estimates for 1887 are as follows:

Salaries	$610,000 00
Rents and ground rents	33,500 00
Books and stationery	45,000 00
Heating apparatus and repairs	9,000 00
Furniture	10,500 00
Fuel	20,000 00
Repairs and cleaning	8,000 00
Printing, incidentals, and supplies	9,000 00
Manual Traing School	10,000 00
Evening Schools	5,000 00
	$760,000 00

It will be seen that this estimate of expenditures is considerably larger than the amount paid out for the current expenses of 1886.

The Commissioners, in asking for the additional appropriation, say that "the annual increase in the number of pupils is about one thousand, and in the number of teachers about forty, which necessarily involves additional expense for the salaries of teachers,and for the purchase of books, furniture, and other supplies. Our citizens are urged to co-operate with us in this important work of free instruction, and to send their children to the public schools; and the city, therefore, should make ample provision for their comfortable accommodation and liberal education, by the erection of commodious school houses, and furnishing them with full supply of all that is necessary."

They, therefore, express the hope that your honorable bodies will make a liberal appropriation for the current expenses of the schools.

I suppose the Commissioners are speaking, in what they have said, on the basis of a general average; as, in view of the statement made by them showing that the average daily attendance of scholars for the year exhibits a falling off of one thousand, four hundred and eleven, and the increase of enrolled scholars only one hundred and eighteen over 1885, while the increase in the number of teachers is forty-eight, I cannot clearly perceive the consistency of their request for an additional appropriation of some $25,000 for the support of the public school system of Baltimore during the coming year. No popular reverence for public

school education, in face of the universal demand for lower taxation, would justify such an increase in the cost of conducting that branch of the city government as the Commissioners solicit.

The interest in education, which all thoughtful citizens feel, should not be pleaded to justify extravagance in the administration of our school system. Its expenses should not be allowed to grow unless the necessities of the department absolutely require it. This rule is equally applicable in the matter of expenditures to all the departments of the city government, and could be observed by you, in considering the demands of the Commissioners, with the approval of all your thoughtful constituency.

No citizen who has any adequate conception of the laborious duties gratuitously rendered by the Public School Commissioners, can ever feel less than a grateful sense of sincere appreciation of their patriotic and self-sacrificing services in the cause of public education.

The Commissioners recommend several important innovations in the administration of the Public School Department of the city government, the favorable consideration of which I would hardly deem timely at this juncture.

COLORED SCHOOLS AND COLORED TEACHERS.

In April, 1886, the City Council passed an ordinance appropriating $25,000 to build a school house for colored pupils, to be taught by colored teachers, in the northwestern section of the city. It also passed an ordinance

providing for the purchase of a lot of ground on Fremont street, for the erection of a primary school for colored female children, and appropriating $14,000 therefor; and also $18,000, for the erection of a new school house thereon, to be used as a colored high and grammar school, in place of the old one now on Holliday street.

These ordinances were passed after the general levy had been adopted, as were some others providing for the erection of school houses for the education of white children, which would have required an aggregate expenditure of $113,000 to have carried out their purposes; but, as the general levy had been adopted, and no provision having been made therein for their construction, I was forced to veto all these ordinances together.

Had the ordinance providing for the building of a colored school, with colored teachers, in the north-western part of the city been adopted without intermixing it with so general an appropriation for the construction of school-houses, I think I would have violated my rule, not to sign any bill after the general levy had been made, and given it my official sanction. The fact is, I was exceedingly desirous of gratifying the wishes of the colored people in that direction, and this action of the City Council at that time caused the Executive no small degree of embarrassment. I was forced to confront an unpleasant dilemma. To have given my official signature to that special ordinance, returning without my approval all the others, would have been an unpopular, if not an unjust discrimination.

Having been defeated by the City Council in carrying out my intentions, in the regular way, towards the colored people, I determined to make an effort to make good the promise by means of a public loan. Accordingly, an ordinance was proposed in the City Council to borrow $1,000,000 for the construction of public school houses, and for the promotion of other needed public objects; but, for reasons not necessary to explain, no definite action was taken on the question.

I need not remind you that the desire for scholastic instruction, and to instruct, is very great among the colored people, and is widespread over the Southern domain. Twenty years ago there were not fifteen thousand colored people in the Southern States who could read; now there are one million colored children attending the public schools of the South, and sixteen thousand colored teachers engaged in their instruction. It may also be mentioned, in the way of commendation, that there are in the Southern States over one hundred colored schools, in successful operation, devoted to higher education. One gratifying result has sprung from these educational endeavors—it is that there are now over eighty newspapers published south of the Potomac owned and edited by colored men. In fact, nothing could be found in the history of education anywhere, that would make favorable comparison with the progress which it has made in the Southern States within so limited a period.

I believe, if we should exercise a liberal spirit towards the colored people in the matter of giving them a greater voice in the education of their own

race, that similarly favorable results would soon be manifested in our midst.

I feel convinced that the city government is honorably bound, by an implied promise, at least, to give a colored school, with colored teachers, to our fellow citizens of that race, and I trust that your honorable bodies will take some action looking to the accomplishment of that object.

JONES' FALLS IMPROVEMENT.

I refer you to the report of the Engineer for a detailed account of the work accomplished during the past year, its nature, extent, and cost.

The report states the amount of work which has been done during the year upon the retaining walls along the line of Jones' Falls, as also what repairs have been made to the various bridges crossing them.

The contract has been awarded for the construction of a new iron bridge at Charles street, at a cost of $32,730, to take the place of the present unsightly and insecure structure. Much delay has been experienced in getting the work under way, but it is to be hoped that, with the return of favorable weather, this much needed and long desired improvement will be rapidly pushed to completion. Indeed, it is a matter of surprise that attention was not sooner given to it, as it was far more important, as a matter of public convenience, than the elaborate bridges which span the falls at St. Paul and Calvert streets, for whose construction no legal authority was ever given, or the so-called sunken

gardens overlooking the falls, fast becoming in that locality little else than an open sewer.

The report also states what has been done during the year in the work of dredging out the falls above Canton avenue bridge. The dredge has reached Pratt street bridge, where a large basin has been dredged out to receive the silt from above during floods, and to prevent its spreading below. At present the dredge is laid up on account of ice. The depth of water on December 1, 1886, was as follows:

Between Aliceanna street and Canton ave..13 feet.
Between Canton and Eastern avenues.....12 "
Between Eastern avenue and Pratt street..12 to 9 feet.

This work should be vigorously pushed as far as Fayette street bridge, and possibly half-way to Gay street bridge. The contract for the work done was made with the Baltimore Dredging Company, at the rate of thirty-nine cents per cubic yard. It is the general belief that this is a very liberal price for the performance of the work; but, as the ordinance requires that the contract for dredging shall be made only with resident voters of Baltimore, the proposals of outside bidders could not be considered. Whether it be wise to restrict the bidding for work to promote public improvements, under all circumstances, to our own citizens, is a question of sufficient public importance to command your special consideration. The Engineer suggests that such work should hereafter be done under the supervision of the Harbor Board, as a matter of economy; and I leave you to estimate the value of his suggestion.

The following is a statement of the condition of the Jones' Falls improvement fund:

Total authorized issue of the city stock.		$2,500,000 00
Issued at 6 per cent.....	$800,000 00	
Issued at 5 per cent.....	957,000 00	
Issued at 3.65 per cent....	320,000 00	
Issued at 3 per cent.....	100,000 00	
		2,177,000 00
Balance unissued.....		$323,000 00
Cash on hand December 31, 1886.....		39,594 58
Total available.....		$362,594 58

There still remains $80,000 of stock authorized by ordinance of Council and unsold.

It is the general belief that a thorough dredging of the falls, according to the plan which is now being pursued, will remove the danger of any further flooding of the low-grade Harrison street districts and their vicinity, and thus abating an evil of immeasurable discomfort and cost to the people of that neighborhood.

PARK COMMISSION.

The Commissioners report that during the past year the several city passenger railway companies have paid the park tax, with the exception of the Union and the People's Railway Companies. The former, however, pays the tax on so much of its road as lies within the boundaries of the city, while withholding it for so much of the road as lies beyond. The question

involved is still before the courts. The claim against the People's Railway, being impossible of collection from the company itself, has been placed in the hands of the City Counsellor for suit.

The report is simply one of ordinary detail. It contains no particular suggestions.

It is gratifying to note that the finances of the Commission are in a more satisfactory condition; the balance in the treasury at the close of the year being $5,695.46, as against a balance of $487.55 at the close of 1885.

The most important occurrence affecting the interests of the public parks during the past year was the introduction in the Legislature of Maryland of a bill, and its defeat therein, looking to the abatement of the park tax, from city passenger railway companies for the support of the public parks, from nine per cent. on gross earnings to nine per cent. on net income. To estimate the gravity of this movement, it must be remembered that the city passenger railway companies, in return for the valuable franchises which they received, entered into a contract to pay the city twenty per cent. on their gross earnings. This amount was successively abated by the State Legislature until it was reduced to nine per cent. on gross earnings. At the time that the bold movement was made for a general repeal of the park tax, the city was receiving $117,000 from that source, which would have eventuated, in ten years, in the loss to the taxpayers, on the present basis of inhabitants, of about $1,200,000; or, capitalized at three per cent. for that time, would be $3,900,000.

It taxes human credulity to believe that the conception of such a scheme as this, on the part of the companies, could be found within the range of possibilities. It is pleasing to know that great good has grown out of the very boldness of that movement, as a great town meeting, to express public opposition and indignation against the attempt, was called, and sustained by the overwhelming unanimity of the people. I think there is a sentiment in the community now so fiercely set against any further attempts in that direction, that no one in the future will be found bold enough to threaten the integrity of the park tax by legislative interposition.

As a matter of historic record, it may be noted that the Armistead Monument, erected in Eutaw Place, was transferred to Federal Hill Park during the year.

JAIL.

The total expenses of this institution for the year 1886 were $62,499.57, and the earnings were $2,776.99.

The total number of prisoners committed during the year was nine thousand nine hundred and one. The daily average of prisoners for the year was six hundred and fifty-three and one-twelfth, showing an increase of one hundred and seventy-four and nine-twelfths over 1885.

The report of the Board of Visitors of the Jail calls attention to several matters, to which they ask your careful consideration: The one, being the importance of an entirely new heating apparatus; and another, the

necessity for a laundry in connection with the new wing, or women's prison—this building being useless for the purpose, as alleged, for which it was constructed until such addition is made.

In the Warden's report will be found a number of recommendations which appear to be timely and judicious; and, for full particulars, I refer you to his concise and intelligently expressed communication to the Board of Visitors.

I see no reason to modify the admiration which I have heretofore expressed concerning the admirable management of this institution.

POLICE COMMISSIONERS—A CHANGE PROPOSED.

I recommended in my last annual Message to the City Council a change in the so-called Metropolitan Police law, so far as to make the Mayor a member of the Board of Commissioners; and gave some cogent reasons why the city government should have some voice in that Board. Time and experience have only served to solidly confirm the opinions expressed in that communication. The only alteration I would make, concerning the representation of the city in the Board, is that I would amend the law so far as to give to the Mayor the power to appoint a member of the Board, instead of making him a member of it. The reason for this change of opinion is, that the Mayor is too much occupied with the cares and duties of his office, and with many social and literary services which courtesy to the people require him to perform, to give intelligent and painstaking attention to so onerous an *ex-officio* position.

This much is said on the supposition that the present metropolitan organization will be continued; but, frankness constrains me to observe that I am opposed to the whole system. I see no good reason why the State should have any voice whatever in the administration of so important a branch of the public service. It is a fractional part of the city government, and should be completely subordinate to its authority; as much so as any other department of the public service organized for the performance of a special class of duties.

The cause which led to the establishment of this independent power in the administration of the city government has long since ceased to exist. As the cause is removed, the effect should not be continued. Why, then, perpetuate this foreign interpolation into our municipal system? It has no just right to be there.

With no resentments towards the Commissioners to gratify, as some of them are my close political friends, I have no hesitation in saying that the law is a perpetual menace to our municipal authority. No legal obligation is imposed on the Board to respect the executive authority of the Mayor, and they are compliant with his wishes only if it suits their good pleasure to be so. Checks for money for the support of the police force, to the extent of not less than $700,000 per annum, are signed semi-monthly by the Mayor, and yet he has no authority to demand of a policeman the performance of the most insignificant duty.

The police force was thus organized to keep the service independent of politics, and to prevent its sub-

ordination to partisan manipulation. Has the plan succeeded? Certainly its complete control by municipal authority could make no material difference in the *morale* of the force, as the Commissioners, the officers, and the men would probably be the same. As neither efficiency nor morality would be enervated by the the change, let us have again what was wrenched from us in the hour of our weakness and misfortune.

Of course, I am well aware of the fact that you have no legal control over this question; but if you should agree with me in the opinion that the change should be made, the moral and political effect of your advocacy would materially aid in the accomplishment of the object by State legislation.

LAW DEPARTMENT.

The annual report of the City Solicitor, made in accordance with the requirements of the City Code, Article 13, Section 3, and which will be laid before you, contains a full account of the cases in the various courts to which the city is a party, and of the disposition which has been made of those cases which have been tried during the past year. Without referring here to all of these cases in detail, it is gratifying to be able to say that, during the past year, no case of any importance has been determined adversely to the city; and some cases of very considerable importance have been determined in its favor.

I will, however, refer to two important cases—one completed, involving a principle; and the other just initiated, involving encroachment upon the public highway.

The former suit, being that to establish the precedent of the right of a city officer holding over until his successor was duly confirmed and qualified, to be entitled to be paid for his services, and was as follows: The Mayor nominated for the positions of City Solicitor and Street Commissioner the gentlemen who held these positions under the previous administration, the City Council refused to confirm them. Their terms by law would have expired upon the qualification of their successors, but no successors having qualified, they held over, and applied to the City Register for their salaries for the month of March, 1886; which he refused to pay, on the ground that their terms of office expired on the last day of February, 1886. Suit was then brought against the city by the Street Commissioner, to recover said salary, and a writ of mandamus granted the City Solicitor to compel payment. Both cases were argued together at the Court of Appeals, and the court decided that a public officer, on the expiration of his term without appointment of his successor, may and should continue in the discharge of the duties of his office, and is entitled to the salary for the additional time he serves.

The judgment of the Court of Appeals in these cases fully sustained the position of the Mayor, that the incumbent in office has a right to hold his position until his successor is appointed and qualified.

The suit involving encroachment upon the public highway is that of the Mayor and City Council *vs.* T. Edward Hambleton *et al.* This bill was filed to compel the defendants to remove the structures (claimed

by them to be bay-windows) erected beyond the building line on Pleasant street, at the corner of and near Charles street; and also the projection in front of said house on Charles street. Answers have been put in by defendants, which necessitates the taking of testimony to support the allegations of the bill. This will be proceeded with without delay, and the case presented to the court for its decision at the present term of court.

MARYLAND INSTITUTE SCHOOLS OF ART AND DESIGN.

One of the most valuable adjuncts to education in this community are the Schools of Art and Design of the Maryland Institute. When considered in this connection, I think it may be safely remarked that, for the limited sum of money expended, no school of instruction has been of more advantage to the deserving and artistically inclined youth of this city than the one to which I refer. It is evident, from the increasing pressure for scholarships in this excellent institution, that there is a growing sentiment in this city in favor of art instruction; and I would not be surprised if there should be a demand at an early day for its general introduction into our public schools. In fact it is getting to be almost as necessary to know how to draw as to know how to read and write. At present the schools of the Maryland Institute supply, as far as their restricted means will allow, that expanding want in this community; and, with increased public generosity towards it, its sphere of usefulness could be greatly extended.

REFORMATORY INSTITUTIONS.

It was my intention, when I commenced the preparation of this Message, to speak beyond the point of mere mention of some of the more important and laudable reformatory institutions of this city; but a severe accident, which disabled my right arm, and bringing with it no small degree of physical suffering, together with some lengthy reviews of important municipal questions, prevented me from carrying out my original purpose. Be assured, however, that I am in heartfelt sympathy with the many benevolent institutions of this city.

Such institutions as these, in all large communities, are of inestimable advantage to impecunious and depraved youth, and are doubtless the means, not only of rescuing them from a life of idleness, viciousness, and shame, but of elevating many of them to creditable and influential positions in the moral and intellectual world.

I commend them to your favorable consideration, and trust to your liberality to extend to them the usual appropriations.

CONCLUSION.

When I sent my first annual Message to the City Council, a year ago, and expressed my willingness, in good faith, to co-operate with the members of the two branches in all needful legislation for the promotion of the happiness and prosperity of a general constituency, I felt an honest good will towards the

members of that body, and was sincerely truthful in my declaration. Hence, no Executive was ever more surprised than I was, when I learned that a combination of vacillating Democrats and Republicans had been formed with the avowed purpose to embarrass and overthrow my administration. I had done nothing to justify or excuse so great a discourtesy, much less so malevolent an opposition. I had declared on the hustings, during the progress of my canvass, that the voters of a successful political party alone were entitled to seats at the government table. I merely expressed my determination to those who sought office to stand by the frankly declared opinion on which I was elected. In view of this, the action of the combination was simply a declaration that I should not comply with my promises to my constituents. My sole object in alluding to this unfortunate occurrence in this connection is, that I can fairly assign it as a reason for the limited amount of useful and reformatory legislation which I was enabled to secure for the promotion of the people's welfare at the hands of your predecessors. The majority expended its precious time in trying to circumvent the Executive, instead of accepting his invitation to unite with him in an effort to promote the general welfare. The cool precision with which the people put their severe condemnation on the unfairness of these unfaithful servants at the last election is so valuable, as a warning, that we may justly regard the aggravations of the Executive in the light of a political consecration to a good cause.

Recognizing the failure of my petition to the last City Council for concurrent action in the matter of

promoting the health and happiness of all classes of the community, I present a similar appeal to you. I also venture to express the hope that you will make the reduction of the taxes a pivotal point in making up the levy for the current year; and that you will avoid the practice, which was carried to the extent of reckless indulgence by your predecessors, of appropriating money for various objects after the general levy is made.

I am, respectfully,

JAMES HODGES,

Mayor.

REGISTER

—OF THE—

CORPORATION OFFICERS

—OF—

BALTIMORE CITY,

—FOR THE—

YEAR 1887.

REGISTER

—OF THE—

Corporation Officers of Baltimore City

FOR THE YEAR 1887.

Mayor's Office.

JAMES HODGES, *Mayor.*
WILLIAM H. LOVE, *Secretary to the Mayor.*
ANDREW J. KING, *Clerk to the Mayor.*
GEORGE H. DALRYMPLE, *City Messenger.*

Register's Office.

JOHN A. ROBB, *Register.*
J. SEWELL THOMAS, *Deputy Register.*
CHAS. M. GORDON, *Chief Clerk.*
HENRY DUVALL, JR., *Assistant Clerk.*
TIMOTHY D. O'CONNELL, "
ROBERT D. CARTER, "

Comptroller's Office.

JAMES R. HORNER, *Comptroller.*
JOSEPH VANSANT, *Chief Clerk.*
J. HARRY DUVALL, *Assistant Clerk.*
JOSEPH A. BONN, "
JAMES T. DORSEY, *License Detective.*

Law Department.

ROBERT GILMOR, *City Counselor.*
BERNARD CARTER, *City Solicitor.*
JAMES W. McELROY, *Examiner of Titles.*

Members of the First Branch City Council.

GEORGE MAY, *President.*

First Ward.....George M. D. Wood.
Second Ward.....Louis Beck.
Third Ward.....Dr. Wm. F. Edwards.
Fourth Ward.....Dr. Thomas Kelly.
Fifth Ward.....Thomas B. Bateman.
Sixth Ward.....Seth A. Marchant.
Seventh Ward.....Benj. F. Sutherland.
Eighth Ward.....Dr. J. B. Boyle.
Ninth Ward.....John D. Cook.
Tenth Ward.....Denis Haeffner.
Eleventh Ward.....George May.
Twelfth Ward.....Jasper M. Berry.
Thirteenth Ward.....Dr. Hiram L. Spicer.
Fourteenth Ward.....Charles Selden.
Fifteenth Ward.....Charles E. Rice.
Sixteenth Ward.....Eugene T. Joyce.
Seventeenth Ward.....John F. Weyler.
Eighteenth Ward.....Henry Hellbach.
Nineteenth Ward.....John T. Dowell.
Twentieth Ward.....Henry W. Latane.

John Kelly, *Chief Clerk.*
M. N. Packard, *Assistant Clerk.*
Henry A. Schultz, *Committee Clerk.*
John McMahon, *Sergeant-at-Arms.*
John T. Murphy, } *Doorkeepers.*
Jesse F. Hall, }
T. McMahon, *Page.*

Members of the Second Branch City Council.

TIMOTHY MALONEY, *President.*

First and Second Wards.....Charles E. Jenkins.
Third and Fourth Wards.....Timothy Maloney.
Fifth and Sixth Wards.....John H. Horn.
Seventh and Eighth Wards.....James Kenny.
Ninth and Tenth Wards.....Thomas W. Terry.
Eleventh and Twelfth Wards.....Chas. P. Knight.
Thirteenth and Fourteenth Wards..Dr. D. F. Penington.
Fifteenth and Sixteenth Wards....Edward H. Fowler.
Seventeenth and Eighteenth Wards..John Long.
Nineteenth and Twentieth Wards..H. Webster Crowl.

John M. Travers, *Chief Clerk.*
George W. Green, *Assistant Clerk.*
Capt. James Hall, *Committee Clerk.*
M. Farrell, *Sergeant-at-Arms.*
Joseph H. Krager, *Doorkeeper.*
C. E. Foxwell, *Page.*

Department of Finance.

His Honor James Hodges, *Chairman.*
Enoch Pratt, Douglas H. Thomas.

Tax Department.

Lewis N. Hopkins, *City Collector.*
J. T. M. Barnes, *Deputy City Collector.*
Richard G. Ducket, *Cashier.*
Clapham Murray, *Assistant Cashier.*
Charles Schwartzhaupt, *Bookkeeper.*
William C. Bordley, Jr., *General Cash Bookkeeper.*
Frank Nicholson, *Transfer Clerk.*

Tax Department—Continued.

W. W. Lanahan, *Ledger Clerk.*
James K. Harwood, "
Henry McGinnity, Jr., "
Abel B. Upshur, "
Frank J. Gorman, "
Claude L. Goodwin, "
John B. Hall, "
Ridgely Duvall, "
Hugh M. Gatchell, "
Samuel Clotworthy, "
John T. Murphy, "
George W. Snyder, "
John J. Potter, *Bailiff.*
H. McP. Dall, "
Henry D. Weaver, "
Charles Kilian, "
Florenz Winter, "
Wm. A. C. Merker "
Samuel J. Cross, "
James F. Pearson, "
John J. Rock, "
James W. Thomas, "
George N. Hughes, "
M. P. McDonagh, "
John F. Leonard, "
Patrick Scanlon, "
Wm. J. Laughlin, "
J. H. F. Hiser, "
Jos. P. Scott, "
John H. Bell, "
David Binswanger, "
Jos. J. Peters, "

Tax Department—Concluded.

Geo. Vogelgesang, *Bailiff.*
Mark Alexander, Jr., "
Edmund D. Dunphy, "
Chas. M. Hope, "
Robert R. Kirkland, "
Wm. H. Russell, "
John T. Ross, "
Charles E. Key, "

Judges of Appeal Tax Court.

James E. Carr, Wm. H. B. Fusselbaugh, E. J. Chaisty.
H. P. Mowinckle, *Chief Clerk.*
Michael H. Doyle, *Assistant Clerk.*
Thomas K. McCormick, *Assessor.*
F. G. Maxwell, "
Dr. George W. Massamore, "
Francis X. Jenkins, *Clerk to Assessors.*

City Commissioner's Department.

Alfred E. Smyrk, *City Commissioner.*
Charles P. Kahler, *Assistant City Commissioner.*
Christopher Billopp, " " "
Newton M. Gray, " " "
John E. Toole, *Clerk.*

City Library.

Samuel D. Smith, *Librarian.*
John G. Scott, *Assistant Librarian.*

Inspector of Public Buildings' Office.

J. Theodore Oster, *Inspector.*
William Q. Caldwell, *Assistant Inspector.*
Augustus M. Foute, *Clerk.*

Commissioners for Opening Streets.

John B. Williams.
John McWilliams.
Samuel F. Sharretts.
Robert F. Green, *Clerk.*

Health Department.

Commissioner of Health and Registrar.

James A. Steuart, M.D.

Assistant Health Commissioner.

James F. McShane, M.D.

Resident Physician Quarantine Hospital, Port of Baltimore.

Sidney O. Heiskell, M.D.

Secretary.

A. Robert Carter.

Assistant Secretary.

George C. Vansant.

Assistant Registrar's Clerk and Assistant Permit Clerk.

Montgomery Lawrence.

Permit Clerk.

V. B. Hines.

Health Department—Continued.

Recorder of Births.

M. J. Smith.

Nuisance Clerk.

Ross T. Penington.

Registrar's Clerk.

Stewart D. Correll.

Sanitary Inspectors.

Henry M. McKewen,
J. V. Fitzpatrick,
John E. Durding,
Walter C. Roberts,
John M. De Goey,
H. C. Seward.

Vaccine Physicians.

1st and 2d Wards.....N. L. Dashiell, Jr., M.D.
3d and 4th " .....C. F. Maguire, M.D.
5th and 6th " .....Frank A. Sauer, M.D.
7th and 8th " .....J. B. Schwatka, M.D.
9th and 10th " .....Louis C. Horn, M.D.
11th and 12th " .....Thos.P.McCormick,M.D.
13th and 14th " .....L. R. Wilson, M.D.
15th and 16th " .....Ellis Michaeu, M.D.
17th and 18th " .....O. A. Cooke, M.D.
19th and 20th " .....J. D. Norris, M.D.

Superintendent of East Baltimore Public Cemetery.

George Rinehart.

Health Department—Concluded.

Superintendent of West Baltimore Public Cemetery.

Geo. E. Brown.

Inspector of Plumbing.

John W. Lee.

Superintendent of Eastern District Sewers.

Henry Paff.

Superintendent of Western District Sewers.

George W. Braden.

Superintendent of Canton Dump.

James Quinn.

Assistant Superintendent of Canton Dump.

Alexander Robinson.

Superintendent of Spring Garden Dump.

Edward Kenny.

Assistant Superintendent of Spring Garden Dump.

George E. Moran.

N. S. Detective.

M. A. Maloney.

Messenger.

W. H. Blondell.

Commissioner of Street Cleaning.

Bartholomew E. Smith.

Frank Dandelet, *Clerk.*

Superintendents of Streets.

Bernard V. Kelly, *First District.*
Geo. E. McCauley, *Second* "
Michael Fadgen, *Third* "
James F. Busey, *Fourth* "
Henry Lancaster, *Fifth* "
John Meagher, *Sixth* "

Harbor Board.

His Honor James Hodges, *Chairman.*

William H. Skinner, John W. McCoy,
Alexander Jones, Edward Roelkey,
James S. Woodside, Thornton Rollins.

N. H. Hutton, *Engineer.*
James H. Irvin, Jr., *Clerk.*

Engineer for the Improvement of Jones' Falls.

Charles H. Latrobe.

Superintendent of City Hall.

Timothy Ryan.

Day Watchmen at City Hall.

James Merritt,
John Cosgrove,
Dennis Bergin.

Night Watchmen at City Hall.

John Schlereth,
John Roney.

Engineers at City Hall.

Geo. W. Vandaniker,
Curtis B. Simonds.

Firemen at City Hall.

James Callahan,
Thomas Hopper,
Michael O'Dea,
John W. Clautice.

Conductor City Hall Elevator.

Charles Stumpf.

Park Commission.

His Honor James Hodges, *Chairman.*

John H. B. Latrobe, George S. Brown,
Geo. E. Waggner, Andrew Reid.

D. Rayhice, *Clerk.*

Water Department.

COMMISSIONERS.

His Honor James Hodges, *President.*

John F. Hunter, John E. Hurst,
Wm. A. Marburg, Samuel W. Regester,
Jos. S. Heuisler, Clinton P. Paine.

Water Department—Continued.

Registrar's Department.

E. Shriver, *Water Registrar.*
James A. Marrian, *General Bookkeeper.*
James S. Etchberger, *Cashier.*
James J. C. Scully, *Clerk of Errors.*
Wm. Gilmor, of Wm., *Ledger Clerk.*
Wm. A. Maloney, "
Wm. F. Hynson, "
John Gibson, "
Samuel A. Hart, "
J. Beale Howard, "
E. A. Hogg, *Meter and New Supply Clerk.*

District Inspectors and Bill Distributors.

Benjamin Price,
George A. Coleman,
John D. Alcock,
Leonard C. Hornick,
D. G. Carlisle,
S. L. Auerbach,
John T. Kearns,
Barney L. Hess.

George W. Emmerich, *Hydrant Inspector.*

Engineer's Department.

Robert K. Martin, *Chief Engineer.*
Wm. L. Kenly, *Engineer and Supt. of Co. Division.*
Matthew O'Brien, *Draughtsman.*
Richard D. Murphy, *Clerk.*

Baltimore City Jail.

Board of Visitors.

John Richardson, *President.*
Charles D. Gaither, *Secretary.*
Hon. James Hodges, *Ex-Officio.*

A. C. N. Matthews,
A. P. Burt,
August Berkemeier,
H. G. Dudley.

Baltimore City Jail—Continued.

John Waters, *Warden.*
Dr. W. W. White, *Physician.*
Mrs. Sarah Brauhl, *Matron.*
William H. H. Turner, *Clerk.*

Deputy Wardens.

Charles F. Edwards,
Thomas M. Kenny,
John T. Barber,
George P. Hamlin,
J. H. Darling,
Michael Kohlerman,
Thomas B. Smith,
Charles A. Dwyer,
Dennis Hasson,
Cornelius McLaughlin,
William H. Tibbels,
John Shea,
William B. McEldon,
Thomas J. Goodrich,
John W. Reiter,
Charles Warner,
George Hoffman,
William Hamilton.

Michael Stanton, *Engineer.*
Charles Helbing, *Baker.*
Andrew L. Black, *Gardener.*
James Ratty, *Hostler.*

Commissioners of Public Schools.

John T. Morris, *President.*

First Ward.....E. Jones Williams, M.D.
Second Ward.....Simon L. Felber.
Third Ward.....John B. Wentz.
Fourth Ward.....Edward A. Burke.
Fifth Ward.....William H. B. Fusselbaugh, of J.
Sixth Ward.....Simon P. Schott.

Commissioners of Public Schools—Continued.

Seventh Ward .....John Q. McAfee.
Eighth Ward. .....John T. Foley.
Ninth Ward .....Joshua Plaskitt.
Tenth Ward.....John T. Morris.
Eleventh Ward .....John P. Poe.
Twelfth Ward .....Thomas S. Baer.
Thirteenth Ward....John M. Jones.
Fourteenth Ward ...F. G. Connolly, M.D.
Fifteenth Ward.....J. William Kines.
Sixteenth Ward. ....Emil Budnitz.
Seventeenth Ward...John E. Durding.
Eighteenth Ward ...Robert A. Poulton.
Nineteenth Ward....Samuel F. Sharretts.
Twentieth Ward....Calvin J. King.

Henry M. Cowles, *Secretary.*
Henry A. Wise, *Superintendent of Instruction.*
John E. McCahan, *Assistant Superintendent.*
Albert Marshall, *Clerk.*
Christian W. Keidel, *Superintendent of Supplies.*
Francis J. Ruth, *Librarian.*

Trustees of the McDonogh Educational Fund and Institute.

Samuel H. Tagart, *President.*

German H. Hunt, *Sec'ty,*
Robert Garrett,
William A. Stewart,
David L. Bartlett,
Enoch G. Hipsley,
Wm. Keyser.

Trustees of Almshouse.

Joseph Friedenwald, *President.*
John Black, *Secretary.*

Simon I. Kemp, John J. Hoffman, John R. Hudgins,
Francis Cutaiar, George A. Blake.

George W. Bennett, *Superintendent.*
John M. McElroy, *Purveyor.*
John R. Hammett, *Clerk.*
John F. Barranger, *Gardener.*
William Kaiser, *Engineer.*
James J. Farrell, *Assistant Engineer.*
Thomas Connor, *Messenger.*
John Beiswanger, *Baker.*
John Mulligan, *Driver.*
Susanna McCahan, *Matron of Insane Hospital.*
Mrs. M. Conroy, *Assistant Matron.*

MEDICAL DEPARTMENT.

Dr. R. B. Warfield, } *Resident Physicians.*
Dr. N. T. Carswell, }
Dr. J. C. Hameter, *Insane Hospital.*
Dr. F. C. Ard, *Assistant Insane Hospital.*
Justus V. Stehl, *Apothecary.*

Agent of Baltimore City for the Deaf and Dumb.

William R. Barry.

Directors on Behalf of the City in the Female House of Refuge.

A. P. Burt, James W. Denny,
Isaac H. Dixon, P. Macaulay Birckhead,
W. T. Biedler.

Managers on part of the City of St. Mary's Industrial School.

E. J. Codd, Thomas Fryer, John F. Hunter.

Managers of House of Refuge on the part of the City.

Dr. John G. Morris, Henry C. James,
George W. Wood, Charles Poe,
Levi Weinberger, Samuel H. Lyon,
Dr. J. D. Iglehart, H. F. Poske,
Geo. B. Skinner.

Managers on the part of the City for the House of Reformation and Instruction for Colored Children.

Charles T. Boehm, George J. Zimmerman.

Managers on the part of the City in the Industrial Home for Colored Girls.

Francis P. Stevens, Aquilla H. Greenfield.

Directors on the part of the City in the Baltimore and Ohio Railroad Company.

J. McK. White, Robert Ober,
William Reed, Joseph B. Stafford,
Frank J. Harmison, Henry G. Curtin,
B. H. Farren.

Directors on the part of the City in the Union Railroad Company.

John S. Leib, W. B. McAtee.

Directors on the part of the City in the Western Maryland Railroad Company.

J. M. Hood, *President.*

A. P. Burt,
Christian Devries,
Thomas W. Johnson,
E. G. Hipsley,
William A. Boyd,
John C. Legg,
William S. Rayner,
Samuel H. Tagart,

Directors on the part of the City in the Valley Railroad Company.

Henry Duvall, Decatur H. Miller, Osmun Latrobe,

Harbor Masters.

First District.....Joseph E. Cromwell.
Second " .....William Knorr.
Third " .....Burgwyn Maitland.
Fourth " .....Louis Kroeger.
Fifth " .....Geo. A. Freburger.
Sixth " .....Charles Durm.

Inspectors of Weights and Measures.

Northwestern District.....Christian Leutbacher.
Northeastern " .....William Henry.
Southwestern " .....Charles E. Stewart.
Southeastern " .....Francis Herr.

Inspector of Long and Dry Measures.

William Bond.

Inspector of Coal Oil and Illuminating Gas.

Prof. William E. A. Aiken.

General Superintendent of Lamps and Inspector and Sealer of Gas Meters.

Frederick W. King.

Inspector of Charcoal.

George W. Busch.

Distributors of Fund for the Relief of the Widows of those who Fell in Defence of the City in 1814.

Findley H. Burns, George Small, J. Vernon Campbell.

Superintendent of Court House, Record Office and Grounds.

James W. Geddess.

Watchman at Court House.

Daniel Farr.

Janitor of Old Masonic Hall Building.

Patrick Reilly.

Watchman at Old Masonic Hall Building.

William Larkin.

Janitor of the Orphans' Court.

William J. Burk.

Keeper of Drawbridge.

George Konig.
William H. Konig, *Assistant.*

Keeper of Washington Monument.

Keeper of Harman's Bridge.

Edward Stowman.

Keeper of North, Calvert, and St. Paul Street Bridges.

John Golden.

Keeper of Dog Pound.

Thomas S. Hamlin.

Clerk of Centre Market.

Daniel Murray.
John F. Bracken, *Assistant Clerk.*

Clerk of Lexington Market.

William H. Pope.
George T. Nicholson, *Assistant Clerk.*

Clerk of Fell's Point Market.

Frederick Buckheimer.

Clerk of Belair Market.

Joseph H. Wright.

Clerk of Hollins Market.

James Biden.

Clerk of Hanover Market.

John H. Mortimer.

Clerk of Richmond Market.

George H. Clifton.

Clerk of Lafayette Market.

Thomas Briddell.

Clerk of Cross-Street Market.

James Graham.

Clerk of Northeastern Market.

Michael Kunkel.

Clerk of Canton Market.

Owen Malone.

Keeper of Hall over Broadway Market.

Joseph Schwarzkop.

Keeper of Market under Maryland Institute.

John H. Bogue.

Commissioners of Union Square.

Andrew J. Fairbank, Hiram G. Dudley,
William H. Kelly.

Commissioners of Lafayette Square.

James L. Frey, H. G. Vickery, M. A. Hamilton.

Commissioners of Franklin Square.

Henry W. Roane, Dr. N. F. Hill, Albert Gottschalk.

Commissioners of Eutaw Place Squares—First Division.

L. W. Gunther, A. G. Stabler, William H. Blackford,
A. C. Trippe.

Commissioners of Eutaw Place Squares—Second Division.

George W. Wood, William Penn Lewis, Jr.,
George J. Popplein.

Commissioners of Mount Vernon Squares.

Thomas M. Lanahan, Robert Garrett,
Dr. St. George W. Teackle.

Commissioners of Madison Square.

John Glady, R. W. McCubbin, Geo. Kilchenstine.

Commissioners of Jackson Square.

Henry Bolte, John W. Bay, John H. Adams.

Commissioners of Harlem Park.

John W. Linton, Jas. R. Marley, Wm. P. Reese.

Commissioners of Eastern City Spring Square.

John W. Cruett, John G. Wilson, Dr. John H. Schulte.

Commissioners of Broadway Squares—First Division.

T. C. Weeks, A. McClintock, John E. Beatty.

Commissioners of Broadway Squares—Second Division.

J. W. Keefer, John Cox, Louis Zink.

Commissioners of Perkins' Spring Square.

Joseph Harris, J. Frank Wilhelm, Byron Sheffield.

Commissioners of Park Place.

Frank Frick, Faris C. Pitt, Lawrence Turnbull.

Commissioners of Taney Place.

Jos. C. Harris, Samuel Henry, H. Rozier Dulaney.

Commissioners of Ashland Square.

James Sapp, Edward G. Medinger, Richard S. Bridge.

Commissioners of Mount Royal Avenue Square.

Frank Frick, Henry E. Baltzell, R. W. Templeman.

Commissioner of the Circle at Baker street and Fulton avenue.

John T. Ford.

Keeper of Calvert Street Spring.

Martin Cloonan.

Keeper of Madison Square.

John Baker.

Keeper of Perkins' Spring Square.

John Garey.

Keeper of Union Square.

R. G. Welsh.

Keeper of Harlem Park.

William Sheehan.

Keeper of Lafayette Square.

Henry Manion.

Keeper of Franklin Square.

John Abram.

Keeper of Eastern Fountain.

Francis Brashears.

Keeper of Broadway Squares—First Division.

Frederick Williams.

Keeper of Broadway Squares—Second Division.

James K. P. Fredericks.

Keeper of Mount Royal Avenue Square.

Peter Needham.

Keeper of Ashland Square.

John C. Gareis.

Keeper of Jackson Square.

Herman Kumlehn.

Keeper of Taney Place.

Aug. Bechtold.

Ward Managers of the Poor.

First Ward.....Moses Fleishman.
Second Ward.....George Schaeffer.
Third Ward.....Richard C. Kemp.
Fourth Ward.....Charles F. O'Conor.
Fifth Ward.....C. Crane.
Sixth Ward.....James E. Sturgeon.

Ward Managers of the Poor—Continued.

Seventh Ward.....Alexander Bond.
Eighth Ward.....Michael Hagan.
Ninth Ward.....Thomas Gordon.
Tenth Ward.....Michael Hess.
Eleventh Ward.....Charles F. Taylor.
Twelfth Ward.....
Thirteenth Ward.....William J. Baker.
Fourteenth Ward.....T. P. Perine.
Fifteenth Ward.....Joseph J. Harig.
Sixteenth Ward.....Peter Hines.
Seventeenth Ward.....Wm. L. P. Riggin.
Eighteenth Ward.....John P. Fahey.
Nineteenth Ward.....George A. Smith.
Twentieth Ward.....John B. Thomas, Jr.

Superintendents of Lamplighters.

Joshua E. Stinchcomb, Denis Lanahan, John Diehl, Andrew Ryan, Benjamin Crisp.

Lamplighters.

First Ward—John Potter,
Stephen Flaherty,
Robert Bishop,
Nicholas Halbleib,
Francis Connors.

Second Ward—John E. Blitzer,
John Kelly,
Conrad Ellers,
Francis Curran,
George M. Frank.

Lamplighters—Continued.

Third Ward—Henry Bauerfine,
Thomas A. McCuigan,
Michael Roeset,
George W. Bandle,
Charles Hitroth,
John G. Moore, *at large*.

Fourth Ward—Adam Friebert,
Michael Lyons,
John Spellman,
Carston Schultz,
Jerry Harrigan.

Fifth Ward—John W. Disney,
J. Ahearns,
James Start,
Chris. Schimpf,
James Kidd.

Sixth Ward—William Armstrong,
Thomas J. Duvall,
Anton Grieb,
John A. Hessler,
Samuel McJilton.

Seventh Ward—Adam Streb,
Frank Conrad,
William McClure,
Charles Marshall,
John W. Harper.

Lamplighters—Continued.

Eighth Ward—Henry Burns,
William Holden,
Thomas May,
Frank Gutberlet,
Francis R. J. Grogan.

Ninth Ward—John Fox,
George H. Smith,
Benjamin Tall,
Michael Collins,
James Kearns.

Tenth Ward—Matthew Nooney,
Joseph Barkman,
Michael Tuttle,
Valentine Baum,
Joseph Johnson.

Eleventh Ward—John Duane,
William F. Farley,
William V. McCann,
William Zell,
Patrick Rinn.

Twelfth Ward—Thomas Rooney,
Thomas Hand,
Dennis Hogan,
George W. Courts,
James Braden.

Thirteenth Ward—George Ward,
Ed. J. Schnur,
Mark McBride,
William Collins,
James Gillan.

Lamplighters—Continued.

Fourteenth Ward—Hugh Potter, *at large.*
John J. Murphy,
John Doyle,
John T. Larkin,
Michael Thorne,
William H. Jubb.

Fifteenth Ward—Michael Ragan,
William Hoffman,
Michael Fahey,
William H. Caulk,
Charles Hohn.

Sixteenth Ward—Daniel Zimmer,
William F. Watkins,
Charles Wengerstzahn,
William Jones,
H. Kroeger.

Seventeenth Ward—Thomas Cunningham,
John Ranft,
William Amey,
John McMann,
Thomas Doyle,
Philip Kimmell.

Eighteenth Ward—John Benson,
George W. Dorsey,
Peter Cunningham,
John Jeffers,
Fred. A. Shanefelter,
Michael Wrignan.

Lamplighters—Continued.

Nineteenth Ward—William M. Busey,
John Chambers,
William E. Coale,
Dennis J. Myers,
Stephen L. Hurley.

Twentieth Ward—William J. Eagan,
James Graham,
Nathan Wright,
George A. Lapp,
F. G. Wutz.

Constables.

First	Ward	Horatio Wallace.
"	"	George T. Hollyday.
Second	"	John M. Darley.
"	"	
Third	"	John H. Calvert.
"	"	
Fourth	"	George McCart.
"	"	G. Koffenberger.
Fifth	"	L. D. Miller.
"	"	
Sixth	"	William W. Rollins.
"	"	
Seventh	"	Frank X. Jenkins.
"	"	Charles C. Swope.
Eighth	"	David Dobler.
"	"	George H. Winchester.
Ninth	"	Thomas H. Shanks.
"	"	George W. Parker.

Constables—Continued.

Tenth	"	William P. Smith.
"	"	Edward A. Keyser.
Eleventh	"	Louis Weber.
"	"	John T. Mullen.
Twelfth	"	Stephen A. Morse.
"	"	Andrew J. Collars.
Thirteenth	"	Nicholas J. Schaefer.
"	"	Charles B. Keyser.
Fourteenth	"	John J. Gessler.
"	"	Charles A. Davis.
Fifteenth	"	William B. Lyons.
"	"	Richard O. Jessop.
Sixteenth	"	Theophilus N. Weems.
"	"	Josiah S. Showacre.
Seventeenth	"	D. P. West.
"	"	James McCracken.
Eighteenth	"	Charles Cook.
"	"	William F. Bragg.
Nineteenth	"	William H. McCabe.
"	"	Charles G. Recaud.
Twentieth	"	John K. Stine.
"	"	Peter Targarona.

Officers of the Fire Department.

Fire Commissioners.

J. Alexander Preston, *President.*
John F. Hunter, S. W. Regester.

Secretary and Clerk.

David H. Lucchesi.

Chief Engineer.

John M. Hennick.

Assistant Engineers.

George W. Ellender, Thomas F. Murphy.

Superintendent of Police and Fire Alarm Telegraph.

Charles J. McAleese.

Superintendent of Machinery.

George W. Linsenmeyer.

Operators—H. P. Lucas, Alexander Crummer, F. L. McAleese, F. J. Connor.

Substitute Operator—William H. Bauer.

Lineman—Robert Kain.

Assistant Lineman—J. M. Nugent.

Batteryman—T. F. Byrne.

No. 1 Engine.

Jacob H. Hayward ..... *Captain.*
Charles E. Freeburger ..... *Engineman.*
Thomas H. Meushaw ..... *Ass't Engineman.*
Lewis J. Fresh ..... *Driver.*
Charles Minton ..... *Fireman.*
Charles H. Baker ..... "
Edward R. Addison ..... "
John J. Robinson ..... "
John H. Osing ..... "
George W. Minton ..... "
William A. Meushaw ..... "
Philip L. Brady ..... "

No. 2 Engine.

John J. Leddon ..... *Captain.*
Thomas E. Wheatley ..... *Engineman.*
Samuel W. Stansbury ..... *Ass't Engineman.*
J. E. Kirby ..... *Driver.*
Alfred Squires ..... *Fireman.*
Thomas S. Rodenhi ..... "
Charles Romoser ..... "
James Humes ..... "
Charles Causey ..... "
Charles H. Hammel ..... "
Louis Abel ..... "
William Eckert ..... "

No. 3 Engine.

Richard A. Lindsay ..... *Captain.*
Thomas H. Humphreys ..... *Engineman.*
Patrick F. Moriarty ..... *Ass't Engineman.*
John F. Pierce ..... *Driver.*
George C. Hodges ..... *Fireman.*
William F. Dauterich ..... "
James L. Lindsay ..... "
Allen Orem ..... "
Martin Kirby ..... "
William F. Pasterfield ..... "
John R. Battee ..... "
William R. E. L. Mears ..... "

No. 4 Engine.

George W. Horton ..... *Captain.*
Frank K. Conway ..... *Engineman.*
John Gaffney ..... *Ass't Engineman.*
Andrew J. Connelly ..... *Driver.*
Constant Seibert ..... *Fireman.*
George W. Bentz ..... "
James Allen ..... "
Ernest Schultz ..... "
James H. Dailey ..... "
Wilmer West ..... "
James Burke ..... "
Henry Bierman ..... "

No. 5 Engine.

William G. Miller ..... *Captain.*
Frederick L. Nelson ..... *Engineman.*
John Lindemann ..... *Ass't Engineman.*
Henry Murphy ..... *Driver.*
William B. Baker ..... *Fireman.*
William M. Burns ..... "
James Reilly ..... "
Julius O. Krauch ..... "
William T. Disney ..... "
Benjamin Price ..... "
Charles E. DeWitt ..... "
James T. Pearl ..... "

No. 6 Engine.

Bernard Shaw ..... *Captain.*
Matthew Mulligan ..... *Engineman.*
Cornelius P. Kuhan ..... *Ass't Engineman.*
John Clark ..... *Driver.*
J. Oscar Healey ..... *Fireman.*
Lawrence Blake ..... "
George Mineburg ..... "
James Gallagher ..... "
Charles Betz ..... "
F. C. H. Berger ..... "
Samuel McCloskey ..... "

No. 7 Engine.

George H. Houck ..... *Captain.*
Jacob S. Corns ..... *Engineman.*
Thomas L. Brown ..... *Ass't Engineman.*
Francis Hart ..... *Driver.*
William F. Morrow ..... *Fireman.*
J. J. Houck ..... "
John Gildea ..... "
Henry Walker ..... "
Louis Scheive ..... "
Samuel A. Seymour ..... "
William Larkins ..... "

No. 8 Engine.

Edward C. Keyser ..... *Captain.*
Michael F. Walsh ..... *Engineman.*
John Conway ..... *Ass't Engineman.*
William J. Stewart ..... *Driver.*
G. R. Chapman ..... *Fireman.*
A. J. Walter ..... "
Owen D. Burgess ..... "
Frederick Johnson ..... "
Howard Scott ..... "
Charles Airey ..... "
James Gill ..... "

No. 9 *Engine.*

David H. Macaulay..... *Captain.*
Daniel R. Rogers..... *Engineman.*
William H. Stanton..... *Ass't Engineman.*
Joseph P. Kelly..... *Driver.*
James McDevitt..... *Fireman.*
Charles C. Neilson..... "
Solomon Uhlfelder..... "
Charles Fry..... "
Lemuel Piercey..... "
William E. Burrier..... "
John H. Cruse..... "

No. 10 *Engine.*

William R. Ward..... *Captain.*
John W. Walsh..... *Engineman.*
James Nugent..... *Ass't Engineman.*
George W. Thorpe..... *Driver.*
Jesse G. Keilholtz..... *Fireman.*
Benjamin F. Seipp..... "
William Brady..... "
Samuel W. Marker..... "
Jacob J. Brady..... "
Richard E. Disney, Jr..... "
James Scott..... "

No. 11 *Engine.*

Andrew Perry.....*Captain.*
John Calder.....*Engineman.*
A. M. Minniegue.....*Ass't Engineman.*
William H. Dunn.....*Driver.*
Thomas Kane.....*Fireman.*
H. R. Seippel..... "
James D. Danels..... "
Albert H. Gier..... "
Charles P. Nelson..... "
Patrick F. Bradley..... "
R. V. Pittinger..... "

No. 12 *Engine.*

William Schulte.....*Captain.*
Michael Lycett.....*Engineman.*
Thomas S. Atkinson.....*Ass't Engineman.*
Joseph W. Moon.....*Driver.*
Edward C. Klessell.....*Fireman.*
Thomas Fitzpatrick..... "
Benjamin T. Wirts..... "
George Mackenhammer..... "
James Catterton..... "
Emmanuel Baker..... "
George Steckman..... "

No. 13 *Engine.*

John Hoffman.....*Captain.*
John H. Deal.....*Engineman.*
John A. Bannon.....*Ass't Engineman.*
Thomas H. Wright.....*Driver.*
Julian Massieu.....*Fireman.*
Philip Bowen..... "
Laurence Pistel..... "
Wilbur Pierce..... "
James Keyser..... "
William R. Lashorne..... "
Lee Conn..... "

No. 1 *Hook and Ladder.*

William M. Dunn.....*Captain.*
John R. Farr.....*Tillerman.*
John T. Mulligan.....*Driver.*
John B. Keene.....*Ladderman.*
Thomas B. Strahan..... "
William E. Van Rossum..... "
Alexander D. Chrismer..... "
Frederick Oelmann, Jr..... "
G. Albert Cassedy..... "
James B. Kelly..... "
William H. Hartman..... "
Lewis Battee..... "

No. 2 Hook and Ladder.

Frederick A. Marston.....*Captain.*
Charles Rolf.....*Tillerman.*
Thomas Montgomery.....*Driver.*
John W. Blake.....*Ladderman.*
William H. Quigley..... "
Charles C. Eichelberger..... "
Thomas Wagner..... "
Frederick Brannan..... "
Thomas Strahler..... "
John Wohllebar..... "
John Acomb..... "
George Bowers..... "

No. 3 Hook and Ladder.

George W. Foxwell.....*Captain.*
Louis Laux.....*Tillerman.*
Charles C. Schoepplien.....*Driver.*
John M. Downs.....*Ladderman.*
William Baker..... "
Andrew German..... "
John McClellan..... "
Jesse Vickers..... "
John A. Sauers..... "
T. Benjamin Levey..... "
George Little..... "
Joshua H. Miller..... "

No. 4 Hook and Ladder.

James Kelly.....*Captain.*
William White.....*Tillerman.*
J. Lavender.....*Driver.*
John G. Gill.....*Ladderman.*
J. H. Morgan..... "
Andrew Bilson..... "
George W. Allen..... "
August Emerick..... "
Patrick Burns..... "
George Wohllebar..... "
M. J. McCormick..... "
John Kurne..... "

No. 5 Hook and Ladder.

Albert Ramia.....*Captain.*
George W. Haskell.....*Tillerman.*
William H. Ryan.....*Driver.*
Fielding H. Lucas.....*Ladderman.*
William Quinn..... "
William H. Riley..... "
Wilbur B. Clark..... "
William Wiley..... "
William T. Beall..... "
William R. Bolgiano..... "
John T. Harney..... "
John W. Kelly..... "

Judges and Clerks of Courts.

Judges of the Supreme Bench.

Hon. George William Brown,
" J. Upshur Dennis,
" William A. Stewart,
" Charles E. Phelps,
" Edward Duffy.

Clerk of the Superior Court.

James Bond.

Clerk of the Court of Common Pleas.

John T. Gray.

Clerk of the Circuit Court.

Alvin Robertson.

Clerk of the Criminal Court.

John S. Bullock.

Clerk of the City Court.

William F. McKewen.

COMMITTEES

— OF THE —

CITY COUNCIL OF BALTIMORE

FOR THE YEAR 1887.

JOINT STANDING COMMITTEES.

WAYS AND MEANS.

First Branch.	*Second Branch.*
Weyler, John F.	Terry, T. W.
Edwards, Dr. William F.	Jenkins, C. E.
Selden, Charles.	Fowler, E. H.

BRIDGES.

First Branch.	*Second Branch.*
Hellbach, Henry.	Horn, J. H.
Dowell, John T.	Kenny, J.
Wood, George M. D.	Knight, C. P.

WATER.

First Branch.	*Second Branch.*
Sutherland, Benj. F.	Crowl, H. W.
Kelly, Dr. Thomas	Long, J.
Marchant, Seth A.	Horn, J. H.

CLAIMS.

First Branch.	*Second Branch.*
Bateman, Thomas B.	Fowler, E. H.
Joyce, E. T.	Kenny, J.
Berry, Jasper M.	Jenkins, C. E.

HIGHWAYS.

First Branch.	*Second Branch.*
Cook, John D.	Penington, Dr. D. F.
Wood, George M. D.	Terry, T. W.
Weyler, John F.	Long, J.

HARBOR.

First Branch.	*Second Branch.*
Rice, Charles E.	Jenkins, C. E.
Beck, Louis	Long, J.
Weyler, John F.	Kenny, J.

HEALTH.

First Branch.	*Second Branch.*
Kelly, Dr. Thomas	Kenny, J.
Boyle, Dr. J. Brooke	Knight, C. P.
Rice, Charles E.	Jenkins, C. E.

MARKETS.

First Branch.	*Second Branch.*
Beck, Louis	Jenkins, C. E.
Haeffner, Denis	Penington, Dr. D. F.
Hellbach, Henry	Long, J.

CITY PROPERTY.

First Branch.	*Second Branch.*
Haeffner, Denis	Horn, J. H.
Wood, George M. D.	Kenny, J.
Spicer, Dr. H. L.	Long, J.

EDUCATION.

First Branch.	*Second Branch.*
Latane, Henry W.	Fowler, E. H.
Edwards, Dr. William F.	Terry, T. W.
Cook, John D.	Knight, C. P.

M'DONOGH BEQUEST.

First Branch.	*Second Branch.*
Boyle, Dr. J. Brooke	Horn, J. H.
Berry, Jasper M.	Crowl, H. W.
Wood, George M. D.	Kenny, J.

HOUSE OF REFUGE.

First Branch.	*Second Branch.*
Edwards, Dr. William F.	Crowl, H. W.
Dowell, John T.	Long, J.
Haeffner, Denis	Knight, C. P.

INTERNAL IMPROVEMENTS.

First Branch.	*Second Branch.*
Dowell, John T.	Long, J.
Sutherland, Benj. F.	Crowl, H. W.
Bateman, T. B.	Penington, Dr. D. F.

FIRE DEPARTMENT.

First Branch.	*Second Branch.*
Spicer, Dr. H. L.	Penington, Dr. D. F.
Edwards, Dr. William F.	Terry, T. W.
Berry, J. M.	Long, J.

POLICE AND JAIL.

First Branch.	*Second Branch.*
Joyce, E. T.	Terry, T. W.
Beck, Louis	Long, J.
Sutherland, B. F.	Penington, Dr. D. F.

CITY PASSENGER RAILWAYS.

First Branch.	*Second Branch.*
Marchant, Seth A.	Penington, Dr. D. F.
Wood, George M. D.	Long, J.
Beck, Louis	Jenkins, C. E.

ALMSHOUSE.

First Branch.	*Second Branch.*
Selden, Charles	Jenkins, C. E.
Spicer, Dr. H. L.	Horn, J. H.
Dowell, John T.	Kenny, J.

JONES' FALLS.

First Branch.	*Second Branch.*
Selden, Charles	Kenny, J.
Marchant, Seth A.	Horn, J. H.
Boyle, Dr. J. Brooke	Jenkins, C. E.

PARKS.

First Branch.	*Second Branch.*
Berry, Jasper M.	Knight, C. P.
Sutherland, Benj. F.	Horn, J. H.
Latane, Henry W.	Kenny, J.

COMMERCE AND MANUFACTURES.

First Branch.	*Second Branch.*
Cook, John D.	Crowl, H. W.
Kelly, Dr. Thomas	Long, John
Boyle, Dr. J. Brooke	Knight, C. P.

PRINTING.

First Branch.	*Second Branch.*
Bateman, T. B.	Jenkins, C. E.
Hellbach, Henry	Knight, C. P.
Selden, Charles	Kenny, J.

ENROLLMENT.

First Branch.	*Second Branch.*
Latane, Henry W.	Crowl, H. W.
Cook, J. D.	Penington, Dr. D. F.

Joint Special Committee for the Introduction of the Waters of the Gunpowder River into the City.

First Branch.	*Second Branch.*
Marchant, Seth A.	Jenkins, C. E.
Latane, Henry W.	Knight, C. P.
Dowell, John T.	Horn, J. H.
Selden, Charles	Kenny, J.
Boyle, Dr. J. Brooke	Terry, T. W.

JOINT SELECT COMMITTEES.

REGISTER'S ACCOUNTS.

First Branch.	*Second Branch.*
Joyce, E. T.	Terry, T. W.
Boyle, Dr. J. Brooke	Crowl, H. W.
Spicer, Dr. H. L.	Knight, C. P.

COMMISSIONERS OF PUBLIC SCHOOL ACCOUNTS.

First Branch.	*Second Branch.*
Haeffner, Denis	Fowler, E. H.
Latane, Henry W.	Jenkins, C. E.
Dowell, John T.	Horn, J. H.

COMMISSIONERS FINANCE ACCOUNTS.

First Branch.	*Second Branch.*
Wood, George M. D.	Penington, Dr. D. F.
Dowell, John T.	Kenny, J.
Sutherland, B. F.	Crowl, H. W.

COMPTROLLER'S ACCOUNTS.

First Branch.	*Second Branch.*
Rice, Charles E.	Jenkins, C. E.
Kelly, Dr. Thomas	Crowl, H. W.
Selden, Charles	Horn, J. H.

CITY COMMISSIONER'S AND HARBOR COMMISSION'S ACCOUNTS.

First Branch.	*Second Branch.*
Berry, Jasper M.	Knight, C. P.
Marchant, S. A.	Kenny, J.
Hellbach, Henry	Terry, T. W.

WATER COMMISSIONERS' ACCOUNTS.

First Branch.	*Second Branch.*
Hellbach, Henry	Jenkins, C. E.
Cook, John D.	Long, J.
Beck, Louis	Horn, J. H.

HEALTH COMMISSIONER'S ACCOUNTS.

First Branch.	*Second Branch.*
Boyle, Dr. J. Brooke	Penington, Dr. D. F.
Kelly, Dr. Thomas	Fowler, E. H.
Bateman, T. B.	Crowl, H. W.

COMMISSIONERS' FIRE DEPARTMENT ACCOUNTS.

First Branch.	*Second Branch.*
Spicer, Dr. H. L.	Horn, J. H.
Edwards, Dr. William F.	Long, J.
Latane, Henry W.	Penington, Dr. D. F.

ANNUAL REPORTS

OF THE

REGISTER OF THE CITY

AND OF THE

COMMISSIONERS OF FINANCE,

TO THE

Members of the First and Second Branches

OF THE

CITY COUNCIL OF BALTIMORE,

For the Fiscal Year Ending December 31st, 1886.

REPORT OF

JOHN A. ROBB,

REGISTER OF THE CITY.

REGISTER'S REPORT.

OFFICE OF THE REGISTER OF THE CITY,

BALTIMORE, January 3, 1887.

To the Honorable the Members of the
First and Second Branches of the City Council:

GENTLEMEN:

As directed by section 22 of article XI of the Baltimore City Code, the Register herewith presents "his account of all moneys received and expended by him during the past year," a "statement of the estimated receipts and payments required for the coming year;" also, tables showing the funded and guaranteed debt of the city as of December 31, 1886, the productive and interest-bearing securities of the city, the unproductive securities, the condition of the sinking funds under his charge for the redemption of the Five Million Loan to the Baltimore and Ohio Railroad Company, and for the redemption of the first and second mortgage bonds of the Western Maryland Railroad Company guaranteed by the city of Baltimore, and also the monthly returns of the "keepers of the standards of weights and measures," the latter required by Ordinance No. 9 of 1881.

The gross receipts into the treasury for the fiscal year closing December 31, 1886, as set forth in tables marked D and E, are	$7,886,076 89
Cash balance December 31, 1885	187,023 57
Total amount to be accounted for	$8,073,100 46
The disbursements for the same period, and shown in the same tables, aggregate	$7,815,484 78
Leaving a balance of cash to credit of the current fiscal year	257,615 68
	$8,073,100 46

being a surplus of $57,278.61 over the liabilities due as stated in statement marked B, under the heading of "Existing Claims." Surplus at commencement of the year $38,480.47.

The following statement has been segregated from table D, so as to exhibit the actual income and expenses of the city and those items which are merely receipts and disbursements:

RECEIPTS—ACTUAL INCOME.

From City Collector, levy of 1886	$3,194,613 61	
" City Collector, levies of previous years	1,059,851 65	
		$4,254,465 26
" public schools' tuition fees, and J. F. Plummer		5,782 05
Amount carried forward		$4,260,247 31

Amount brought forward	$4,260,247	31
From market-houses, rent of stalls, &c	58,248	55
" wharfage and rent of wharves	32,351	99
" general licenses	45,028	75
" auction duties	7,103	46
" magistrates, sheriff and jail	6,270	80
" Health and Street Departments	7,218	47
" permits for sheds, signs, &c	9,075	50
" Inspector of Gas-Meters	5,137	25
" Baltimore and Ohio Railroad Company, dividend on stock	260,000	00
" City Commissioner's Department	4,995	37
" Bayview, Mt. Hope and Spring Grove asylums	5,046	80
" conscience fund	16	00
" aggregate of sundry small items	2,737	54
	$4,703,477	79

RECEIPTS—NOT INCOME.

From Baltimore and Ohio Railroad Company and Five Million Loan Sinking Fund, to pay interest on Five Million Loan	300,000	00
" Park Board, to pay interest on Park Stock and Patterson Park Extension Loan	41,333	96
" Water Board, to pay interest on Water Loans	472,630	00
" Western Maryland Railroad Company, to pay interest on 1925 4 Per Cent. Loan	27,360	00
Amount carried forward	$5,544,801	75

Amount brought forward	$5,544,801 75
From City Passenger Railway Companies, for Park Sinking Fund	15,149 26
" sale of Jones' Falls Improvement 3.65 Per Cent. Loan	126,249 09
" tax on City Loans, collected for the State of Maryland	24,756 54
" sale of 4 Per Cent. 1904 Loan, for completion of Harford Run improvement	172,150 00
" State of Maryland, for Public Schools	156,814 69
" City Passenger Railway Companies for Park Board	101,931 15
" Park Board, sales of stock, &c	4,519 05
" Water Board, for rents, &c	603,195 70
" Water Loan of 1922, sales of material	3,064 96
" temporary loans from banks	965,000 00
" tax sales	3,479 57
" sales of materials, opening streets	12,759 71
" City Collector, opening streets	73,462 52
" City Collector, paving streets	78,742 90
Total receipts	$7,886,076 89

DISBURSEMENTS—EXPENSES OF THE CITY GOVERNMENT.

Interest on the public debt	$999,685 19
Expenses of the law courts	112,558 48
Amount carried forward	$1,112,243 67

Amount brought forward	$1,112,243 67
Expenses of the jail, removed cases, judgments, magistrates, &c	102,597 01
Public schools, less amount paid by State of Maryland	581,808 92
Expenses of the city poor	211,482 12
Harbor Commission	119,207 19
Police Department	683,400 72
Health Department	85,603 10
Department of Street Cleaning	256,849 42
Fire Department	210,064 35
Department Inspector of Buildings	141,321 20
Department City Commissioner	233,959 00
Expenses of parks and squares, exclusive of Druid Hill and Patterson Parks	52,583 96
General Superintendent of Lamps, Gas and Electric Light	221,895 24
City Council—salaries of members and officers, and expenses	52,933 86
General expense account	1,051 48
Care of Masonic hall and Court-house	9,208 51
Expenses of markets and market-halls	5,238 51
Harbor Master's commissions for collecting wharfage	8,168 69
Salaries	71,151 77
City library—supplies for departments	7,456 57
Public printing	1,818 84
Discount on taxes and interest on temporary loans	117,920 91
Heating and general care of City Hall	18,442 46
Amount carried forward	$4,306,407 50

Amount brought forward	$4,306,407 50
Lamplighters' salaries	48,303 00
Special appropriations	12,462 40
Ground rents on city property	3,843 32
Salaries of City Collector's office and expenses	47,490 02
Elections and Supervisors of Elections	15,311 25
Insurance of Bayview Asylum and City College	2,685 00
Maryland Institute School of Design	3,000 00
Fire-plugs and fountains	4,000 00
State tax on city loans	25,324 65
Enoch Pratt Free Library	50,000 00
Iceboat Maryland	10,000 00
Copying dockets and re-indexing Circuit Court and Court of Common Pleas	3,500 00
Aggregate of sundry small items	6,673 37
City's proportion for opening and closing streets	100,894 61
Refunded taxes	3,182 09
Total expenses of city government	$4,643,077 21

DISBURSEMENTS—NOT EXPENSES.

Interest on Five Million Loan for Baltimore and Ohio Railroad Company	$300,000 00
Interest on water loans for Water Board	472,630 00
" park loans for Park Board	41,333 96
" 4 Per Cent. Loan for Western Maryland Railroad Company	27,360 00
Amount carried forward	$5,484,401 17

Amount brought forward	$5,484,401 17
Park Sinking Fund	15,149 26
Improvement of Jones' Falls	101,141 27
" Harford Run, to complete	121,444 50
Paving Loan of 1920	24,429 42
Park Board	101,242 29
Tax sales	6,084 13
Water Board	664,815 46
Water Loan 1922	65,518 80
Temporary Loans	865,000 00
State tax on city loans	24,756 54
Purchase of Bolton property on account	40,000 00
Opening and widening streets	97,206 17
Paving streets	43,491 71
Public school, tax from State of Maryland.	156,814 69
Patterson Park extension	3,989 37
Total disbursements	$7,815,484 78

ESTIMATES FOR THE CURRENT YEAR.

The estimates for the current year, as exhibited in detail in Statement B, are	$4,810,311 65
From taxes in arrear and other specified sources, as per Statement C, the receipts are estimated at	1,879,938 36
Leaving the amount to be levied for	$2,930,373 29
The net amount reported by the Ways and Means Committee for the year 1885 was	$3,076,531 92

FUNDED AND GUARANTEED DEBT.

The total funded and guaranteed debt as of December 31, 1886, is	$34,955,289 64
On December 31, 1885, it was	36,733,247 59
Decrease of funded debt	$1,777,957 95
The One Million Loan to the Pittsburg & Connellsville Railroad Company becoming due January 1, 1886, its redemption was commenced by the Commissioners of Finance, and there was redeemed to December 31, 1886	$986,807 03
Leaving $13,193.99 to be presented for payment.	
The redemption of the Valley Railroad Loan was commenced October 31, and there was redeemed to December 31, 1886	1,008,200 00
Leaving $7,100 subject to redemption.	
Of the City Hall 1884 Loan, there was redeemed	1,000 00
Thus completing the redemption of that loan.	
There was redeemed of the Consolidated 5 Per Cent. Loan	56,950 92
Leaving $3,465.46 unredeemed.	
Amount carried forward	$2,052,957 95

Amount brought forward.		$2,052,957 95
Of the Jones' Falls 1900 Stock authorized by Ordinance No. 55, 1884, bearing interest at the rate of 3.65 per cent. per annum, there was sold by the Commissioners of Finance	$120,000 00	
Realizing a premium of $6,249.09.		
Of the Loan for the Completion of the Improvement of Harford Run, authorized by Ordinance No. 115, of 1884, and bearing interest at the rate of 4 per cent. per annum, due in 1904, there was sold by the Commissioners of Finance.....	155,000 00	
At a premium of $17,150.		$275,000 00
		$1,777,957 95

WESTERN MARYLAND RAILROAD SINKING FUND.

The different securities in this fund, held by the Register in trust for the redemption of the first and second mortgage bonds of the Western Maryland Railroad Co., guaranteed by the city, were sold as required by Ordinance No. 11 of 1886, realizing $294,320.25. This sum will be paid to the Commissioners of Finance January 3, 1887, for t h purpose stated in said Ordinance.

FIVE MILLION LOAN SINKING FUND.

In this Sinking Fund, for the redemption of the Five Million Loan to the Baltimore and Ohio Railroad Company, $157,500 of the One Million Loan was redeemed in January, 1886, by the Commissioners of Finance, and $139,100 of the Water 5 Per Cent. Loan of 1894 purchased at $113.05, a resultant loss of $18,300 to the fund. $50,000 of the Valley Railroad Loan, due October 31, 1886, was also redeemed by the Commissioners of Finance, and $50,000 of the Western Maryland Railroad 3½ Per Cent. Loan, due 1927, was purchased at par, deliverable January 3, 1887. The value of the fund is now $2,400,800. As the increment of this fund, by terms of Ordinance No. 63, 1881, is applied to the payment of interest on said loan as it becomes due, the amount so applied during the year was $140,263.45.

I respectfully refer you to the report of the Commissioners of Finance for the conditions of the various sinking funds under their charge and belonging to the city, and also to the accompanying tables:

Table A is a statement of the public debt of the city.

Table B is an estimate of requirements for the current fiscal year.

Table C is an estimate of receipts for the current fiscal year.

Table D is a detailed statement of the receipts and disbursements, and showing the appropriations for the various accounts.

Table E shows the aggregate monthly receipts and disbursements.

Table F shows the condition of the Five Million Loan Sinking Fund.

Table G shows the condition of the Western Maryland Railroad Sinking Fund.

Table H shows the monthly returns from the "keepers of the standards of weights and measures."

Respectfully submitted,

JOHN A. ROBB,
Register of the City.

STATEMENT A.

Statement of the Funded Debt, December 31, 1886.

Loan.	Rate.	When Redeemable.	Amount.
Consolidated	6 per cent.	At pleasure after July 1, 1890	7,306,546 22
Public Park.....	6 "	" " Sept. 1, 1890	555,566 25
Exempt.....	6 "	" " Sept. 1, 1893	410,353 87
Water.....	6 "	" " July 1, 1894	263,000 00
"	5 "	" " " 1, 1894	3,737,000 00
"	5 "	" " " 1, 1916	5,000,000 00
"	4 "	" " Nov. 1, 1922	500,000 00
Funding	6 "	" " July 1, 1900	800,000 00
"	5 "	" " " 1, 1916	1,000,000 00
Harford Run Improvement....	4 "	" " Jan. 1, 1920	250,000 00
Paving.....	4 "	" " Nov. 1, 1920	500,000 00
Five Million....	6 "	January 1, 1890.....	5,000,000 00
Consolidated ...	6 "	September 1, 1893	2,211,068 05
Park Improvem't	6 "	January 1, 1895.....	185,723 80
Jones' Falls	6 "	April 9, 1900.	800,000 00
"	5 "	" 9, 1900.	957,000 00
"	3.65 "	" 9, 1900.....	320,000 00
"	3 "	" 9, 1900.....	100,000 00
City Hall.....	6 "	" 15, 1900.....	1,000,000 00
"	6 "	March 7, 1902.....	500,000 00
W. Md Railroad..	6 "	January 1, 1902	1,000,000 00
Harford Run Sewer.....	4 "	November 3, 1904.....	156 700 00
Patterson Park Improvement..	4 "	October 1, 1920.....	200,000 00
W. Md Railroad..	4 "	July 1, 1925.....	684,000 00
Overdue Stock..	6 "	No interest allowed.....	732 00
Water 1875.....	6 "	" "	1,840 00
Consolidat'd 1885	5 "	" "	3,465 46
One Million 1886	6 "	" "	13,193 99
Valley R. R 1886	6 "	" "	7 100 00
		Total Funded Debt	$33,463,289 64

Guaranteed Debt

Endorsement of W. Md. R. R. Co., 1st mtge	$ 200,000 00		
" " " 2d "	300,000 00		
" " " 3d "	875,000 00		
" Union R. R. Co., 1st mtge..	117 000 00		
		1,492,000 00	
Total Funded and Guaranteed Debt....			$34,955,289 64
From which deduct—			
Water Loans of 1894, 1916, and 1922, the interest on which is paid by revenue from water rents.....	$9,500,000 00		
Amounts carried forward.....	$9,500,000 00	$34,955,289 64	

STATEMENT A—Continued.

Amounts brought forward		$9,500,000 00	$34,955,289 64
Park Loans, interest paid by City Passenger Railway Companies		755,566 25	
Western Maryland Railroad 1925 Four Per Cent. Loan, interest paid by W. M. R. R. Co.		684,000 00	
		—	10,939,566 25
			$24,015,723 39
And the following productive and interest-bearing assets:			
Mortgage on Baltimore and Ohio R. R. Co.		$5,000,000 00	
" Union R. R. Co.		117,000 00	
" West. Md. R. R. Co., 1st		200,000 00	
32,500 shares Baltimore and Ohio Railroad Co., market value $170		5,525,000 00	
Value of Sinking Funds		5,743,425 07	
550 shares Baltimore and Reistertown Turnpike Company's Stock, valued at		2,062 50	
137 shares Baltimore and Frederick Turnpike Company's Stock, valued at		456 66	
925 shares Baltimore and Yorktown Turnpike Company's Stock, valued at		3,125 00	
Market houses, producing a yearly rental of	$50,000 00		
Improved wharf property, producing a yearly rental of	38,000 00		
Other real estate, producing a yearly rental of	7,746 76		
	$95,746 76		
Capitalized at 6 per cent		1,595,779 00	
			18,186,848 23
			$5,828,875 16
The following are the unproductive assets of the City:			
Second Mortgage on West. Md. R. R.	$300,000 00		
Interest thereon to Jan. 1, 1887, paid by city	324,000 00		
		$624,000 00	
Third Mortgage on West. Md. R. R.	$875,000 00		
Interest thereon to Jan. 1, 1887, paid by city	840,000 00		
		1,715,000 00	
Fourth Mortgage on West. Md. R. R.	$1,000,000 00		
Interest thereon to Jan. 1, 1887, paid by city	870,000 00		
		1,870,000 00	
Amount carried forward		$4,209,000 00	

STATEMENT A—Continued.

Amount brought forward.....	$4,209,000 00	
10,000 shares Valley Railroad Company of Virginia Stock, par $100.	1,000,000 00	
7,600 shares Baltimore and Susquehanna Tidewater Canal Stock, par $50.....	380,000 00	
4,000 shares Western Maryland Railroad Company Stock, par $50	200,000 00	
130 shares Baltimore and Havre de Grace Turnpike Company Stock.....		
Besides other property, such as—		
Court Houses, Record Office, City Hall, Jail, Police Stations, Fire Engine Houses and Apparatus, School Houses, Almshouse, Ice Boats, Quarantine Hospital Grounds, Public Parks, &c., valued at.....	10,000,000 00	
		$15,789,000 00

APPENDIX TO STATEMENT A.

From the total Funded and Guaranteed Debt		$34,955,289 64
Deduct the following:		
Overdue Six per cent Stock, no interest allowed.....	732 00	
" Six per cent. Water, 1875, no interest allowed.....	$1,840 00	
" Five per cent. Consolidated, no interest allowed.....	3,465 46	
" Six per cent. One Million Loan, no interest allowed.....	13,193 99	
" Six per cent. Valley R. R., no interest allowed.....	7,100 00	
First mortgage on Western Md R. R., payable January 1.	200,000 00	
Second mortgage on Western Md. R. R.	300,000 00	
And the following, the interest being provided for:		
By Baltimore and Ohio Railroad Company on.....	5,000,000 00	
" dividend on Stock of Baltimore and Ohio Railroad Company, being interest on...	4,333,333 33	
" City Passenger Railway Companies, on..	755,566 25	
" Water Board, from rents, on.....	9,500,000 00	
" Union Railroad Company, on.....	117,000 00	
" Commissioners of Finance, interest on Western Maryland Railroad 1902 Loan.	1,000,000 00	
" Commissioners of Finance, interest on Western Maryland Railroad Guaranteed Bonds.....	875,000 00	
" Commissioners of Finance, six months' interest on Western Maryland Railroad, second mortgage.....	150,000 00	
Amounts carried forward.....	$22,257,231 03	$34,955,289 64

STATEMENT A—Concluded.

Amounts brought forward.....	$22,257,231 03	$34,955,289 64
By Western Maryland Railroad Company, interest on Western Maryland Railroad Four Per Cent. 1925 Loan.....	684,000 00	
		22,941,231 03
Leaving the amount on which interest is paid by taxation.....		$12,014,058 61

viz:

$8,730,358 61	interest, at	6	per cent.
1,957,000 00	"	5	"
906,700 00	"	4	"
320,000 00	"	3.65	"
100,000 00	"	3	"
$12,014,058 61			

STATEMENT B.

The following statement exhibits the present liabilities and the estimated expenses of the city to be provided for in the levy for the year 1887:

EXISTING CLAIMS.

Balance due Jones' Falls account	$39,594 58	
" " Harford Run Sewer Completion acct	50,705 50	
" " Water Board	25,095 91	
" " Park Board	5,695 46	
" " Water Loan 1922	606 00	
" " Patterson Park extension	355 03	
Temporary loans from banks	100,000 00	
Paving certificates due during the year	5,207 27	
		$227,259 75
Balance of cash in bank	$257,615 68	
Due from paving streets	26,922 68	
Taxes due and uncollected for the year 1886 and previous years	1,219,866 40	
Amount carried forward		$227,259 75

STATEMENT B—Continued.

Amount brought forward....		$227,259 75
Estimated Requirements for the Fiscal Year ending December 31, 1887:		
HEALTH DEPARTMENT.		
General health account.....	$15,000 00	
Nuisances and sewers.....	15,000 00	
Salaries.....	32,000 00	
Quarantine Hospital.	20,000 00	
Post-mortems	600 00	
		$82,600 00
DEPARTMENT OF STREET CLEANING.		
134 garbage carts and men at $18 per week.....	$125,424 00	
56 street carts and men at $18 per week.....	52,416 00	
120 scrapers and sweepers at $10 per week.....	62,400 00	
Salaries.....	9,000 00	
Contract for removal of garbage	8,250 00	
Dumps	4,500 00	
Tools and incidentals.....	1,950 00	
		263,940 00
DEPARTMENT INSPECTOR OF BUILDINGS.		
For repairs of public schools.	$10,000 00	
" " City Hall	3,000 00	
" " engine houses.	6,000 00	
Amounts carried forward....	$19,000 00	$573,799 75

STATEMENT B—Continued.

Amounts brought forward....	$19,000 00	$573,799 75
For repairs of city jail.....	3,000 00	
" " market houses	3,000 00	
" " court houses...	2,500 00	
" " dog pound.....	500 00	
" substituting wood for plaster on ceilings of public school-houses ..	3,000 00	
" cess-pools	2,000 00	
" incidentals	100 00	
" livery for two horses and repairs to wagons.....	600 00	
" salaries	5,500 00	
" balance due on Truck House No. 5	4,000 00	
" completion of observatory Federal Hill..	3,000 00	
" map of city	75 00	
		46,275 00

DEPARTMENT CITY COMMISSIONER.

Repairs of paved streets.....	75,000 00	
" bridges	7,000 00	
" sewers and inlets.	10,000 00	
" unpaved streets...	1,500 00	
Flags and stepping-stones.....	10,000 00	
Paving and repaving in front of city property..	1,000 00	
Paving and repaving Cross streets.	10,000 00	
Amounts carried forward. ..	$114,500 00	$620,074 75

STATEMENT B—Continued.

Amounts brought forward.. .	$114,500 00	$620,074 75
Salaries.....	9,000 00	
Livery.....	500 00	
Incidentals	50 00	
Light-street bridge.	2,000 00	
Extension of Low-street sewer.....	1,500 00	
Lanvale street and Edmondson avenue sewers.....	13,452 37	
Inlets to Howard-street sewer, Res. 74 of 1886.....	350 00	
Section of sewer North avenue and Bruce alley....	5,000 00	
Maintenance of floor of Calvert-street bridge.....	536 00	
Maintenance of floor of St. Paul-street bridge.....	946 25	
Balance due on turntable for drawbridge	974 85	
		148,809 47

FIRE DEPARTMENT.

Salaries.....	$133,000 00	
Apparatus.	7,700 00	
" repairs.....	4,000 00	
Accidents.....	2,000 00	
Horse feed	10,000 00	
Fuel.....	2,500 00	
Amounts carried forward	$159,200 00	$768,884 22

STATEMENT B—Continued.

Amounts brought forward....	$159,200 00	$768,884 22
Furniture	700 00	
Harness	500 00	
Horse-shoeing	1,300 00	
Hose and sucking sleeves	5,500 00	
Horses	3,000 00	
Ground rent	704 25	
Gas	800 00	
Oils, grease, &c	1,500 00	
Office expenses, including printing and messenger's salary	1,200 00	
Rent of telephone	900 00	
Miscellaneous	1,000 00	
Washing	1,500 00	
Insurance	1,100 00	
Sick account	1,500 00	
Disabled firemen	2,400 00	
Police and fire alarm telegraph	23,650 00	
		206,454 25

DEPARTMENT GENERAL SUPERINTENDENT OF LAMPS.

Lamp-pillars and lamps	$26,066 00	
Gas and electric light	235,449 90	
Livery and horse	300 00	
		261,815 90
Amount carried forward		$1,237,154 37

STATEMENT B—Continued.

Amount brought forward		$1,237,154 37
HARBOR BOARD.		
Harbor.....	$50,000 00	
Spring Gardens (Middle Branch)	10,000 00	
Quarantine anchorage.	10,000 00	
Maintenance of iceboat Latrobe	15,000 00	
New bulkhead in city dock—balance of appropriation...	1,388 06	
New bulkhead required for 1887.....	10,611 94	
Repairs of wharves—balance of appropriation.....	1,736 81	
Repairs of wharves required for 1887.....	1,263 19	
Resurvey of harbor and maps—balance of appropriation	1,063 77	
Resurvey of harbor required for 1887.....	2,936 23	
Bulkhead at Little Hawkins' Point	8,000 00	
		112,000 00
ENOCH PRATT FREE LIBRARY.		
Required by Ordinance No. 64, of 1883.....		50,000 00
Amount carried forward.		$1,399,154 37

STATEMENT B—Continued.

Amount brought forward....		$1,399,154 37
PUBLIC SCHOOLS.		
Salaries	$610,000 00	
Rents and ground rents.....	33,500 00	
Books and stationery	45,000 00	
Heating apparatus	9,000 00	
Furniture.....	10,500 00	
Fuel	20,000 00	
Repairs and cleaning	8,000 00	
Incidentals, printing, supplies, &c.....	9,000 00	
Manual Training School.....	10,000 00	
Evening schools.....	5,000 00	
		760,000 00
CITY POOR.		
Maintenance of Bayview and insane department.....	$80,000 00	
Transportation of poor.....	1,000 00	
St. Mary's Industrial School..	20,000 00	
Mt. Hope Retreat.....	41,000 00	
Maryland Hospital for Insane.....	15,000 00	
House of Refuge.....	20,000 00	
House of Reformation for Colored Children.	10,000 00	
Washington University Hospital.....	6,750 00	
University of Maryland	6,750 00	
Amounts carried forward	$200,500 00	$2,159,154 37

STATEMENT B—Continued.

Amounts brought forward....	$200,500 00	$2,159,154 37
Baltimore University.....	2,400 00	
St. Vincent's Infant Asylum.	5,000 00	
Nursery and Child's Hospital	1,500 00	
St. Elizabeth's Colored Orphan Asylum.....	1,000 00	
Home of the Friendless.....	2,100 00	
Industrial Home for Colored Girls	1,500 00	
Female House of Refuge.....	3,000 00	
Deaf and dumb at Frederick.	500 00	
Boys' Home Society	3,000 00	
St. Mary's Female Orphan Asylum.....	2,000 00	
Maryland General Hospital.	2,400 00	
Widows and orphans, war of 1812	200 00	
Baltimore Manual Labor School.....	1,000 00	
Homœpathic Free Dispensary	600 00	
Northeastern Free Dispensary	1,000 00	
Eastern Free Dispensary.....	1,000 00	
Southern Free Dispensary....	800 00	
Baltimore General Free Dispensary.....	600 00	
Baltimore Medical College Dispensary.....	600 00	
Amounts carried forward	$230,700 00	$2,159,154 37

STATEMENT B—Continued.

Amounts brought forward....	$230,700 00	$2,159,154 37
Northwestern Dispensary....	400 00	
Polyclinic Dispensary.....	500 00	
College of Physicians and Surgeons Dispensary.....	800 00	
Women's and Child's Hospital Dispensary.....	500 00	
Baltimore University Dispensary.....	800 00	
University of Maryland Dispensary.....	800 00	
		$234,500 00

GENERAL EXPENDITURES.

City Council, expenses and salaries of members and officers.....	$53,000 00	
General expense.....	1,500 00	
Masonic Hall, care of.....	3,298 00	
Court House, "	5,985 00	
Madison Square.....	1,200 00	
Eastern Fountain	1,200 00	
Franklin Square.....	1,200 00	
Union Square	1,200 00	
Perkins' Spring, ground rent.	2,052 00	
" "	1,200 00	
Park Place.....	500 00	
Lafayette Square.....	1,200 00	
Jackson "	500 00	
Amounts carried forward	$74,035 00	$2,393,654 37

STATEMENT B—Continued.

Amounts brought forward....	$74,035 00	$2,393,654 37
Mount Vernon Square.....	1,200 00	
Broadway Square, 1st division	1,200 00	
" " 2d "	1,200 00	
Eutaw " 1st "	1,200 00	
" " 2d "	1,200 00	
Ashland "	100 00	
Baker Circle.....	100 00	
Taney Place Square.....	300 00	
Johnston "	1,200 00	
Mt. Royal avenue.....	500 00	
Fricks' Triangle	500 00	
Collington Square.....	500 00	
Harlem Park.....	1,500 00	
Federal Hill Park.....	1,200 00	
Riverside Park.....	1,500 00	
Salaries	72,069 60	
City library	7,500 00	
Public Printing.....	2,000 00	
Net discount on taxes and interest on loans.....	93,000 00	
Superintendent of City Hall.	18,753 83	
Mayorality	2,000 00	
Lamplighters' salaries.....	46,514 00	
Transportation to House of Correction.....	400 00	
City property—ground rents.	4,100 00	
Appeal Tax Court.....	200 00	
City Collector—salaries.....	47,500 00	
Amounts carried forward....	$381,472 43	$2,393,654 37

STATEMENT B.—Continued.

Amounts brought forward. ..	$381,472 43	$2,393,654 37
Commissioners for opening streets	200 00	
Elections	14,000 00	
Dog Pound	1,200 00	
Supervisors of Elections	1,500 00	
Tax sales	3,000 00	
Insurance of Bayview Asylum	1,305 00	
Winding Maryland Institute clock	75 00	
Ringing Mechanic's bell.	200 00	
Maryland Institute School of Design	3,000 00	
New fire-plugs and fountains.	4,000 00	
General license	1,500 00	
Refunded taxes	3,000 00	
State tax on city loans	16,500 00	
Iceboat Maryland	10,000 00	
		440,952 43

INTEREST ON STOCK DEBT.

One year's interest on Consolidated 6 Per Cent. Stock of 1890	$438,392 76	
One year's interest on Public Park 6 Per Cent. Stock of 1890	33,333 96	
Amounts carried forward	$471,726 72	$2,834,606 80

STATEMENT B—Continued.

Amounts brought forward ..	$471,726 72	$2,834,606 80
One year's interest on Exempt 6 Per Cent. Stock of 1893	24,621 24	
One year's interest on Water 6 Per Cent. Stock of 1894...	15,780 00	
One year's interest on Water 5 Per Cent. Stock of 1894 ..	186,850 00	
One year's interest on Water 4 Per Cent. Stock of 1922...	20,000 00	
One year's interest on Water 5 Per Cent. Stock of 1916...	250,000 00	
One year's interest on Funding 6 Per Cent. Stock of 1900	48,000 00	
One year's interest on Funding 5 Per Cent. Stock of 1916	50,000 00	
One year's interest on Harford Run Improvement 4 Per Cent. Stock of 1920.....	10,000 00	
One year's interest on Paving 4 Per Cent. Stock of 1920...	20,000 00	
One year's interest on Five Million 6 Per Cent. Stock of 1890.....	300,000 00	
One year's interest on Consolidated 6 Per Cent. Stock of 1893.....	132,664 08	
Amounts carried forward.....	$1,529,642 04	$2,834,606 80

STATEMENT B—Continued.

Amounts brought forward ...	$1,529,642 04	$2,834,606 80
One year's interest on Park Improvement 6 Per Cent. Stock of 1895	11,143 43	
One year's interest on City Hall 6 Per Cent. Stock of 1900	60,000 00	
One year's interest on Jones' Falls 6 Per Cent. Stock of 1900	48,000 00	
One year's interest on Jones' Falls 5 Per Cent. Stock of 1900	47,850 00	
One year's interest on Jones' Falls 3.65 Per Cent. Stock of 1900	11,680 00	
One year's interest on Western Maryland Railroad 6 Per Cent. Stock of 1902	60,000 00	
One year's interest on Patterson Park Extension 4 Per Cent. Stock of 1920	8,000 00	
One year's interest on City Hall 6 Per Cent. Stock of 1902	30,000 00	
One year's interest on Western Maryland Railroad 4 Per Cent. Stock of 1925	27,360 00	
Amounts carried forward ...	$1,833,675 47	$2,834,606 80

STATEMENT B—Continued.

Amounts brought forward ...		$1,833,675 47	$2,834,606 80
One year's interest on Jones' Falls 3 Per Cent. Stock of 1900		3,000 00	
One year's interest on Completion of Harford Run 4 Per Cent. Stock of 1904....		6,268 00	
One year's interest on Western Maryland Railroad 3d Mortgage 6 Per Cent. Stock of 1900.....		52,500 00	
Six month's interest on Western Maryland Railroad 2d Mortgage 6 Per Cent. Bonds of 1890.....		9,000 00	
Six month's interest on Western Maryland Railroad 3½ Per Cent. Stock of 1927.....		27,625 00	
		$1,932,068 47	
Less:			
Interest paid by B. and O. R. R. Co.	$300,000 00		
Interest paid by Commissioners of Finance	121,500 00		
Interest paid by Water Board	472,630 00		
Amts. car. for'd	$894,130 00	$1,932,068 47	$2,834,606 80

STATEMENT B—Continued.

Amts. bght. for.	$894,130 00	$1,932,068 47	$2,834,606 80
Interest paid by City Passenger Railway Companies	41,333 96		
Interest paid by Western Maryland R. R. Co.	54,985 00		
		990,448 96	
			$941,619 51
POLICE DEPARTMENT.			
Salaries of officers and men, and expenses			705,000 00
CERTAIN EXPENSES.			
Criminal Court		60,000 00	
Baltimore City Court		15,000 00	
Superior Court		13,000 00	
Court of Common Pleas		15,000 00	
Circuit Court		2,900 00	
Orphans' Court		8,000 00	
Supreme Bench		2,575 00	
Coroners		2,400 00	
Judgments and suits		8,000 00	
Jail		66,500 00	
Magistrates		15,650 00	
Removed cases		6,000 00	
Registration of voters		13,000 00	
			$228,025 00
Amount carried forward			$4,709,251 31

STATEMENT B—Concluded.

Amount brought forward		$4,709,251 31
OPENING AND WIDENING STREETS.		
Holbrook street, from Hoffman to Point lane, balance.	2,536 30	
Race street, from Cross to Fort avenue, balance.....	554 62	
Barclay street, from Chase to Biddle, balance.....	134 70	
Clement street, from Hanover to Charles, balance....	4,920 31	
Patapsco street, from Fort ave. to Ostend, balance.....	819 15	
Covington street, from First to Gould, balance.....	1,456 02	
Patterson Park avenue, from Oliver to North avenue, balance.....	1,296 50	
Preston street, from Gay to city limits	13,974 57	
Orleans street, from Central avenue to Forrest	75,368 17	
		101,060 34
		$4,810,311 65

STATEMENT C.

Estimated Receipts from Taxes in arrear, and other specified sources of Revenue, for the fiscal year ending December 31, 1887.

Cash in bank	$ 257,615 68
Amount due for paving streets	26,922 68
Taxes in arrear, estimated collections during the year	1,020,000 00
Baltimore and Ohio Railroad Company, dividend on stock	260,000 00
State of Maryland, for public schools	156,000 00
Public schools, tuition fees, and J. F. Plummer	5,500 00
Rent of market stalls, net	54,000 00
Rent of public wharves, net	24,000 00
General license	45,000 00
Fines	1,800 00
Jail Visitors	2,500 00
Bayview Asylum	2,500 00
Sale of refuse from streets	2,000 00
Quarantine Hospital	4,000 00
Permits for sheds and signs	8,000 00
Vaults and areas	500 00
Inspector and Sealer of Gas-meters	2,500 00
Auction duties	6,500 00
Turnpike dividends	300 00
Fire Department	300 00
	$1,879,938 36

STATEMENT D.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriat'ns.	Received from Collector of Taxes.	Received from Other Sources.
	Dr.	Cr.			
Criminal Court	$58,182 92	$58,080 52	$58,000 00		$80 52
Baltimore City Court	14,423 48	15,000 00	15,000 00		
Superior Court	12,842 22	15,000 00	15,000 00		
Court of Common Pleas	14,178 96	16,000 00	16,000 00		
Circuit Court	2,663 25	2,900 00	2,900 00		
Orphans' Court	7,692 65	8,000 00	8,000 00		
Supreme Bench	2,575 00	2,575 00	2,575 00		
Coroners	2,400 00	2,400 00	2,400 00		
Fines	376 25	2,215 13			2,215 13
Judgments and Suits	6,509 46	8,000 00	8,000 00		
Jail	62,499 57	65,290 74	62,500 00		2,790 74
Magistrates	15,312 00	15,650 00	15,650 00		
Removed Cases	2,964 83	5,184 41	4,000 00		1,184 41
Registration	12,534 90	15,251 61	15,251 61		
Certain Expenses		222,182 55		222,182 55	
Schools.					
Public Schools	144,106 58	873,255 81	144,955 50	565,703 57	162,596 74
Public School Salaries	585,544 50	585,544 50	585,544 50		
Manual Training School	8,972 53	9,000 00	9,000 00		
City Poor		202,999 16		202,999 16	
Bayview	79,993 93	82,661 40	80,000 00		2,661 40
Transportation of Poor	1,003 87	1,045 40	1,000 00		45 40
Dispensaries	8,400 00	8,400 00	8,400 00		
St. Mary's Industrial School	20,000 00	20,000 00	20,000 00		
Mount Hope Retreat	26,000 00	27,425 00	26,000 00		1,425 00
Maryland Hospital for the Insane	14,330 18	15,915 00	15,000 00		915 00

House of Refuge	17,965 70	20,000 00	20,000 00		
House of Reformation for Colored Children	10,000 00	10,000 00	10,000 00		
Washington University Hospital	6,750 00	6,750 00	6,750 00		
University of Maryland "	6,750 00	6,750 00	6,750 00		
Baltimore University "	387 02	1,755 00	1,755 00		
St. Vincent's Infant Asylum	4,166 67	5,000 00	5,000 00		
Nursery and Child's Hospital	1,250 00	1,500 00	1,500 00		
St. Elizabeth's Colored Orphan Asylum	999 96	1,000 00	1,000 00		
Home of the Friendless	2,100 00	2,100 00	2,100 00		
Industrial Home for Colored Girls	1,500 00	1,500 00	1,500 00		
Female House of Refuge	3,000 00	3,000 00	3,000 00		
Deaf and Dumb at Frederick	444 11	500 00	500 00		
Boys' Home Society	3,000 00	3,000 00	3,000 00		
St. Mary's Female Orphan Asylum	1,166 64	2,000 00	2,000 00		
Maryland General Hospital	1,074 04	1,755 00	1,755 00		
Widows and Orphans, War of 1812	200 00	300 00	300 00		
Baltimore Manual Labor School	1,000 00	1,000 00	1,000 00		
Park Sinking Fund	15,149 26	15,149 26			15,149 26
Harbor Commission	47,584 92	48,140 11	48,140 11		
Bulkhead at Little Hawkins' Point	9,996 50	10,000 00	10,000 00		
Iceboat F. C. Latrobe	14,993 94	15,000 00	15,000 00		
Repairs of Wharves	1,763 19	3,500 00	3,500 00		
" City Dock	12,111 94	13,500 00	13,500 00		
Dredging Channel of Spring Gardens	14,960 37	15,000 00	15,000 00		
Wharf at Old Marine Hospital	1,859 89	1,859 89	1,859 89		
Re-survey of Harbor	3,956 23	5,020 00	5,000 00		20 00
Repairs of Tug Baltimore	6,000 00	6,000 00	6,000 00		
Quarantine Anchorage	5,980 21	6,000 00	6,000 00		
Police Department	683,400 72	1,356,341 05	690,000 00	666,341 05	
Amounts carried forward	$1,983,018 39	$3,843,396 54	$1,997,086 61	$1,657,226 33	$189,083 60

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. DR.	FACE OF LEDGER. CR.	Appropriat'ns.	Received from Collector of Taxes.	Received from other sources.
Amounts brought forward.....	$1,983,018 39	$3,843,396 54	$1,997,086 61	$1,657,226 33	$189,083 60
Health Department.					
Cleaning Streets.....	256,849 42	259,437 68	257,138 00	.....	2,299 68
" " Special.....	7,020 17	7,500 00	7,500 00	.....	.....
Health.....	11,872 32	15,000 00	15,000 00	.....	.....
" Salaries..	31,692 22	31,700 00	31,700 00	.....	.....
Quarantine Hospital.....	19,548 02	24,918 79	20,000 00	.....	4,918 79
Nuisances.....	14,870 37	15,000 00	15,000 00	.....	.....
Post-Mortems.....	600 00	600 00	600 00	.....	.....
Fire Department.					
Salaries and Incidentals.....	207,216 09	207,548 50	207,216 50	.....	332 00
New Fire-Alarm Boxes.....	2,848 26	2,868 50	2,868 50	.....	.....
Inspector of Buildings.					
Salaries and Incidentals.....	6,125 00	6,200 00	6,200 00	.....	.....
Painting Maryland Institute.....	1,000 00	1,000 00	1,000 00	.....	.....
Painting Richmond Market.....	1,156 50	1,500 00	1,500 00	.....	.....
Observatory at Federal Hill Park	5 000 00	8,000 00	8,000 00	.....	.....
Repaving Fish Market	1,000 00	1,000 00	1,000 00	.....	.....
Elevator at City Hall.....	4,140 35	5,000 00	5,000 00	.....	.....
New Truck-House—N. E. Balto.....	4,000 00	4,000 00	4,000 00	.....	.....
Permits for Sheds, Signs, &c.....	1,040 64	9,075 50	.....	.....	9,075 50
Repairs of School-Houses.....	11,953 88	12,000 0	12,000 00	.....	.....
" City Property.....	17,994 12	18,000 00	18,000 00	.....	.....
" Hollins' Hall.....	598 90	600 00	600 00	.....	.....

Cleaning Cesspools of Public Schools	1,490 25	2,000 00	2,000 00		
Building Male & Female Grammar School No. 15	17,849 11	17,862 42	17,862 42		
" Primary School No. 29	17,875 50	17,875 50	17,875 50		
" Male & Female Primary School No. 23	9,458 07	9 464 42	9,464 42		
" Addition to City Jail	4,062 07	4,062 07	4,062 07		
" Male & Female Primary School No. 11	9,854 35	9,854 35	9 854 35		
Fire-Escape at School No. 15	400 00	400 00	400 00		
Improvements at School No. 11	1,200 00	1,200 00	1,200 00		
Improving No. 5 Engine-House	5,500 00	5,500 00	5,500 00		
Foundation for Public School No. 29	3,500 00	3,500 00	3,500 00		
New Roof on Hanover Market	2,485 09	2,500 00	2 500 00		
New Roof on Lexington Market	1,548 03	1,600 00	1,600 00		
Rebuilding Broadway Market	10,289 34	11,000 00	11,000 00		
Heating Apparatus at City Jail	1,800 00	1,800 00	1,800 00		
City Commissioner's Department.					
Salaries and Incidentals	9,558 64	9,650 00	9,650 00		
Vaults and Areas		1,060 40			1,060 40
Repairs of Paved streets	74,986 54	75,705 62	75,000 00		705 62
" Unpaved Streets	1,494 79	1,500 00	1,500 00		
" Bridges	7,369 51	7,509 00	7,500 00		9 00
" Sewers	9,454 43	12,498 34	9,500 00		2,998 34
Improvement of Jones' Falls	101,141 27	279 14			279 14
Improvement of Harford Run—to Complete	121,444 50	172,150 00			172,150 00
Jones' Falls 3.65 Per Cent. Loan of 1900		126,249 09			126,249 09
Paving Loan of 1920	24,429 42	108 62			108 62
Light-Street Bridge	1,803 65	2,022 53	2,000 00		22 53
Cross-Streets, (Paving and Repaving)	9,229 15	10,000 00	10,000 00		
Paving in Front of City Property	1,258 90	1,500 00	1,500 00		
Amounts carried forward	$3,039,027 26	$4,983,197 01	$2,816,678 37	$1,657,226 33	$509,292 31

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. DR.	FACE OF LEDGER. CR.	Appropriat'ns.	Received from Collector of Taxes.	Received from other sources.
Amounts brought forward	$3,039,027 26	$4,983,197 01	$2,816,678 37	$1,657,226 33	$509,292 31
Dredging Jones' Falls	20,000 00	20,000 00	20,000 00		
Iron Plates	7,138 46	7,150 00	7,150 00		
Flag and Stepping-Stones	9,995 78	10,000 00	10,000 00		
Removing Fence, Bolton Depot Property	294 64	300 00	300 00		
Gutters, Chase and Valley Streets	460 92	460 92	460 92		
Shelling Franklin Street	126 30	159 60	159 00		
" East Baltimore Street	1,500 00	1,500 00	1,500 00		
" Eastern Avenue	877 73	900 03	900 00		
" Ferry Point Road	199 07	200 00	200 00		
" Washington Road	999 98	1,000 00	1,000 00		
" Warner and Dock Streets	270 66	300 00	300 00		
New Turntable at Drawbridge	3,200 00	3,200 00	3,200 00		
Culvert in Lafayette Avenue	3,488 00	3,488 00	3,488 00		
Inlet to Sewer on Broadway	696 48	700 00	700 00		
Constructing Sewer on Low Street	7,592 40	7,573 60	7,544 12		29 48
Improving Gutters, &c., Charles and Read Streets	948 43	950 00	950 00		
Chatsworth-Run Sewer	22,632 40	24,505 98	24,503 48		2 50
Inlets to Sewers on Howard Street		350 00	350 00		
Repairing Floor of Calvert-Street Bridge	536 00	536 00	536 00		
Repairing Floor of St. Paul Street Bridge	946 26	946 26	946 26		
Changing Grade of Fulton Avenue	616 97				
Changing Kerb at Eutaw Place	196 50	300 00	300 00		
Necessity-Alley Sewer	11,076 63	12,174 80	12,168 60		6 20
Extension of Central-Avenue Sewer	8,921 88	8,941 60	8,926 00		15 60
Extension of Division-Street Sewer	5,987 99	6,913 75	6,000 00		13 75

Lanvale-Street Sewer	7,547 67	10,023 33	10,000 00		23 33
Painting Gay-Street Bridge	281 12	350 00	350 00		
" Chase-Street Bridge	471 12	500 00	500 00		
" Calvert-Street Bridge	1,000 00	1,000 00	1,000 00		
" St. Paul-Street Bridge	1,000 00	1,000 00	1,000 00		
Park Commission.					
Druid Hill and Patterson Parks	101 242 29	106,450 20			106,450 20
Removing Armistead Monument	326 50	500 00	500 00		
Federal-Hill Park	6,908 18	7,269 19	7,264 19		5 00
Riverside Park	6,977 95	7,272 62	7,270 62		2 00
Harlem Park	8,999 91	9,000 00	9,000 00		
Patterson Park Extension	3,989 37	16 20			16 20
General Superintendent of Lamps.					
Inspecting and Sealing Gas Meters		5,065 00			5,065 00
Incidentals	300 00	300 00	300 00		
Gas and Electric Lights	199,149 72	242,643 15	242,643 15		
Lamp-Pillars and Lamps	22,445 52	22,572 25	22,500 00		72 25
General Expenditures.					
City Council	52,933 86	53,000 00	53,000 00		
General Expense	1,051 48	1,500 00	1,500 00		
Masonic Hall	3,261 46	3,266 00	3,266 00		
Court-House	5,947 05	5,948 00	5,948 00		
Madison Square	2,699 85	2,700 00	2,700 00		
Eastern Fountain	1,307 41	1,405 00	1,400 00		5 00
Franklin Square	1,025 84	1,200 00	1,200 00		
Union Square	1,099 99	1,200 00	1,200 00		
Perkins' Spring Square	3,552 00	3,552 00	3,552 00		
Park Place Square	496 64	500 00	500 00		
Lafayette Square	1,260 21	1,500 00	1,500 00		
Jackson Square	999 55	1,000 00	1,000 00		
Amounts carried forward	$3,583,805 43	$5,585,570 86	$3,307,345 71	$1,657,223 33	$620,998 82

STATEMENT D--Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. DR.	FACE OF LEDGER. CR.	Appropriat'ns.	Received from Collector of Taxes.	Received from other sources.
Amounts brought forward	$3,583,805 43	$5,585,570 86	$3,307,345 71	$1,657,226 33	$620,998 82
Mt. Vernon Square	1 500 00	1,500 00	1,500 00		
Broadway Square—1st Division	1,500 00	1,500 00	1,500 00		
" " 2d "	2,999 84	3,000 00	3,000 00		
Eutaw " 1st "	1,500 00	1,500 00	1,500 00		
" " 2d "	2,498 67	2,500 00	2,500 00		
Ashland Square	99 84	100 00	100 00		
Baker Circle	400 00	400 00	400 00		
Taney-Place Square	299 67	300 00	300 00		
Johnston Square	4,059 41	4,095 00	4,045 00		50 00
Mt. Royal-Avenue Square	959 41	1,000 00	1,000 00		
Frick's Triangle	443 18	1,000 00	1,000 00		
Collington Square	996 41	1,000 00	1,000 00		
Lafayette Market	250 80	901 86			901 86
Centre Market	703 23	7,400 15			7,400 15
Belair Market	640 10	8,566 75	200 00		8,366 75
Fell's Point Market	534 24	6,853 25			6,853 25
Lexington Market	622 18	12,552 70			12,552 70
Richmond Market	417 90	3,726 15			3,726 15
Hanover Market	625 61	6,545 45			6,545 45
Cross-Street Market	314 75	4,107 75			4,107 75
Hollins Market	392 05	4,012 47	250 00		3,762 47
Northeast Market	181 50	1,771 40			1,771 40
Canton Market	373 10	794 47	250 00		544 47
Cross-Street Hall	55 55	320 00			320 00
Hollins Hall	41 00	656 45			656 45
Broadway Hall	86 50	739 70			739 70

Wharfage	8,168 69	32 351 99			32,351 99
Salaries	71,151 77	71,169 60	71,169 60		
City Library	7,456 57	7,539 00	7,500 00		39 00
Public Printing	1,818 84	2 208 00	2,000 00		208 00
Interest	117,920 91	232,681 85	110,000 00	122,390 18	291 67
Interest on Stock Debt	1,841,009 15	2,947,982 68	1,846,658 72		1,101,323 96
Superintendent of City Hall	18,442 46	18,888 00	18,862 50		25 50
Mayoralty	1,395 04	2,000 00	2,000 00		
Lamplighters	48,303 00	46,514 00	46,514 00		
Special Appropriations	12,462 40	12,525 18	12,525 18		
Transportation to House of Correction	236 90	400 00	400 00		
City Property	3,843 32	4,260 00	4 100 00		160 00
Appeal Tax Court	98 55	250 00	250 00		
City Collector	47,490 02	47,500 00	47 500 00		
Commissioners for Opening Streets	116 64	200 00	200 00		
Elections	13,863 85	14,087 41	14,087 16		25
Dog Pound	999 90	1 140 27	1,000 00		140 27
Supervisors of Elections	1,447 40	1,500 60	1,500 00		
Tax Sales	6,084 13	5,979 57	2,500 00		3,479 57
Insurance of Bayview Asylum, City College, &c	2,685 00	3,030 00	3,030 00		
Winding Maryland Institute Clock	75 00	75 00	75 00		
Ringing Mechanics' Bells	200 00	200 00	200 00		
Maryland Institute	3,000 00	3,000 00	3,000 00		
Public Meeting	252 92	250 00	250 00		
Water Board	664,815 46	603,195 70			603,195 70
Water Loan 1922	65,518 80	3,064 96			3,064 96
Water Pipe—Hollins Street	300 00	300 00	300 00		
New Fire-Plugs, Fountains, &c	4,000 00	4,000 00	4,000 00		
General License	1,463 21	46 528 75	1,500 00		45,028 75
City Seal		322 65			322 65
Refunded Taxes	3,182 09	2,500 00	2,500 00		
Temporary Loans	865,000 00	965,000 00			965,000 00
Amount carried forward	$7,419,102 39	$10,743,059 02	$5,529,512 87	$1,779,616 51	$3,433,929 64

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. DR.	FACE OF LEDGER. CR.	Appropriat'ns	Received from Collector of Taxes.	Received from other sources.
Amounts brought forward	$7,419,102 39	$10,743,059 02	$5,529,512 87	$1,779,616 51	$3,433,929 64
Auction Duties		7,103 46			7,103 46
State Tax on City Loans	50,081 19	44,756 54	20,000 00		24,756 54
Suspense Account		1,627 50	1,627 50		
Enoch Pratt Free Library	50,000 00	50,000 00	50,000 00		
Tax Commission	769 21				
Direct Tax		1,653,029 62		1,653,029 62	
Miscellaneous Stocks		668,795 57		668,795 57	
Opening Streets		103,234 33		103,234 33	
Water Tax		49,789 23		49,789 23	
Conscience Fund		16 00			16 00
Intestate Estates	439 50	502 21			502 21
Iceboat Maryland	10,000 00	10,000 00	10,000 00		
Turnpike Dividends		338 65			338 65
Purchase of Bolton Property	40,000 00	40,000 00	40,000 00		
Copying Dockets of the Circuit Court	1,500 00	1,500 00	1,500 00		
Reindexing Dockets of the Court of Common Pleas	2,000 00	2,000 00	2,000 00		
Closing Kirby's Lane	2 00				
" Butcher's Lane	195 68				
" Brown's Lane	206 70				
" Point Lane	6 00	1 71		1 71	
" V Alley	8 00				
" Milliman Street	8 33				
" Cathedral Street	389 26	1 00		1 00	
Widening Orleans Street	8 50	13,010 84		13,010 84	
Opening Wolfe Street	10 00				

Opening West Street	113 38				
" John Street	588 16				
" Clement Street		5,688 92	4,920 31	768 61	
" Chester Street	57,264 39	57,937 89	45,224 91	10,878 23	1,834 75
" Hoffman Street	11,247 58	11,440 52	4,415 45	7,025 07	
" Etting Street	5,976 95	6,122 40	2,842 40	3,280 00	
" Douglas Street	2,786 21				
" Scott Street	256 46				
" Federal Street	1 00				
" Gold Street	16,753 68	16,969 14	10,321 34	5,079 11	1,568 69
" Belt Street, from Cross to Jackson Street	3,330 00	3,369 90	1,664 00	1,675 90	20 00
" Alley 8 feet 8½ inches wide	107 25	171 65	171 65		
" Washington Avenue	520 54				
" Cannon Street	3,711 26	3,961 26	2,296 26	1,415 00	250 00
" McHenry Street	2 00				
" Patapsco Street	497 25	1,316 40	912 34	404 06	
" Mount Street	1 00				
" Calhoun Street	267 00				
" Wilkins Avenue		210 00			210 00
" North Avenue	62,335 08	57,470 35	30,106 25	20,087 00	7,277 10
" Fulton Avenue	237 0				
" Harlem Avenue	315 57				
" 40 foot Street, between Light and William Streets	74 90				
" Mosher Street	4,126 60	4,048 43	2,459 26		1,589 17
" Ostend Street	434 19				
" N. Boundary Avenue	10,176 04				
" Patterson Park Avenue	5,750 00	2,730 00		2,730 00	
" Beason Street	10 80				
" Monroe Street	235 57	299 17		299 17	
" Pulaski Street	464 05				
" Bethel Street	1,000 00	1,177 46	317 80	859 66	
Amounts carried forward	7,763,310 76	13,561,679 17	5,760,292 34	4,321,980 62	3,479,406 21

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. DR.	FACE OF LEDGER. CR.	Appropriat'ns.	Received from Collector of Taxes.	Received from other sources.
Amounts brought forward	$7,763,310 76	$13,561,679 17	$5,760,292 34	$4,321,980 62	$3,479,406 21
Opening Preston Street		2,849 66		2,849 66	
" Payson Street	448 48				
" Nanticoke Street	120 95				
" Wicomico Street	142 90				
" East Street	225 18				
" Holbrook Street		2,536 30	2,536 30		
" Clarkson Alley	80 45				
" Box Alley	318 83				
" Patapsco Alley	2 00				
" Mt. Royal Avenue	1,254 65				
" Race Street		554 62	554 62		
" Barclay Street		134 70	134 70		
" Oliver Street	3,565 20	1,690 24	115 24	1,575 00	
" Mulberry Street	455 86				
" Saratoga Street	328 09				
" Russell Street	2 00				
" Carey Street	1,529 00	1,522 50		1,522 50	
" Henry Street	2 00				
" Hope Street	2 00				
" Beverlin Street	2 00				
" Kirby's Lane	2 00				
" Stockholm Street	200 72				
Paving Interest		2,386 72		2,386 72	
" North Avenue	4,933 75	10,599 24		10,599 24	
" 20 foot Alley, from Bruce to Vincent Alley	19 39				

Paving	E. Baltimore Street		4,354 66		4,354 66
"	S. Charles Street		1,035 61		1,035 61
"	Madison Street		2,363 23		2,363 23
"	German Street		9,982 00		9,982 00
"	W. Baltimore Street		3,511 54		3,511 54
"	Hanover Street		5,454 11		5,454 11
"	Lexington Street		777 49		777 49
"	China Street	153 59	30 89		30 89
"	N. Charles Street		436 92		436 92
"	Eutaw Street		4,197 03		4,197 03
"	Monroe Street	31 12	42 81		42 81
"	North Street		26 80		26 80
"	Madison Avenue		10,868 07		10,868 07
"	Court-House Lane		63 52		63 52
"	Franklin Street		5,603 07		5,603 07
"	Wolfe Street	194 94	263 75		263 75
"	Mosher Street	1,239 74	1,012 23		1,012 23
"	Tennant Street	477 83	503 37		503 37
"	Cathedral Street	135 05			
"	Robert Street	63 80	173 50		173 50
"	Broadway	23,339 71			
"	Burgundy Alley	138 19	113 12		113 12
"	Calhoun Street	1,148 70	601 77		601 77
"	Belt Street	108 92			
"	Mount Stree	990 05			
"	Johnson Street	474 09			
"	Luzerne Street	119 85			
"	Biddle Street	240 21			
"	Chase Street	49 22			
"	Bruce Alley	579 02	34 73		34 73
"	Harlem Avenue		4,371 10		4,371 10
"	Dolphin Street		4,605 79		4,605 79
"	E. Fayette Street	3,936 67			
Amounts carried forward		7,810,366 91	13,644,380 26	5,763,6[illegible] 2[illegible]	4,401,340 85	3,479,406 21

STATEMENT D—Concluded.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriat'ns.	Received from Collector of Taxes.	Received from Other Sources.
	Dr.	Cr.			
Amounts brought forward	$7,810,366 91	$13,644,380 26	$5,763,633 20	$4,401,340 85	$3,479,406 21
Paving Hunter Alley	50 66				
" Gold Street	1,438 00	94		94	
" Cross Street	870 10	876 36		876 36	
" Townsend Street	1,055 61	611 67		611 67	
" Eden Street	1,194 58				
" Liberty Street		1,968 35		1,968 35	
" Creek Alley	11 78				
" Little Courtland Street	19 10				
" Warren Avenue	101 02	71 54		71 54	
" Saratoga Street		1,762 43		1,762 43	
" Goldsmith Alley	41 87				
" Plum Alley	118 74				
" McHenry Street	23 34				
" Sewell Street		25 70		25 70	
" Chappell Street		12 84		12 84	
" Cuba Street	193 07				
Mayor and City Council	5,763,633 20				
Cash	7,886,076 89	7,815,484 78			
Totals	$21,465,194 87	$21,465,194 87	$5,763,633 20	$4,406,670 68	$3,479,406 21

STATEMENT E.

Receipts and Disbursements from December 31, 1885, to December 31, 1886

	Receipts.	Disbursements.
January	$148,203 00	$575,221 46
February	810,017 36	333,327 98
March	396,858 87	382,951 36
April	577,889 31	541,641 51
May	376,853 45	910,854 53
June	1,268,279 73	966,814 21
July	1,784,250 49	1,214,317 08
August	252,670 74	393,249 37
September	221,123 67	536,452 62
October	770,084 80	899,496 67
November	443,982 61	702,320 01
December	835,862 86	358,837 98
	$7,886,076 89	$7,815,484 78
Balance December 31, 1885	187,023 57	
" " 31, 1886		257,615 68
	$8,073,100 46	$8,073,100 46

STATEMENT F.

The condition of the Sinking Fund for the Redemption of the Five Million Loan to the Baltimore and Ohio Railroad Company the 31st day of December, 1886, is as follows:

Consolidated 6 Per Cent. Loan of 1890.....	$198,500 00
Five Million 6 " " 1890	847,300 00
City Hall 6 " " 1900	41,300 00
" 6 " " 1902.....	6,200 00
Funding 6 " " 1900	58,900 00
Park Improvement 6 Per Cent. Loan of 1895	6,600 00
Jones' Falls 6 Per Cent. Loan of 1900.....	28,000 00
" 5 " " 1900.....	71,100 00
Public Park 6 " " 1890.....	45,300 00
West. Md. Railroad 6 Per Cent. Loan of 1902.	50,900 00
Water 5 " " 1894.	178,200 00
" 5 " " 1916.	297,900 00
Exempt 6 " " 1893.	12,200 00
Consolidated 6 " " 1893.	331,900 00
West. Md. Railroad 4 " " 1925.	47,000 00
Jones' Falls 3 " " 1900.	34,000 00
Western Maryland Railroad Guaranteed Bonds (registered).....	25,000 00
Western Maryland Railroad Guaranteed Bonds (coupon).....	69,000 00
Union R. R. Guaranteed Bonds (coupon)...	1,500 00
	$2,350,800 00
Cash	50,000 00
	$2,400,800 00

STATEMENT G.

The condition of the Sinking Fund for the Redemption of the Bonds of the Western Maryland Railroad Company, guaranteed by the City of Baltimore, December 31, 1886, is as follows:

Name of Loan.	Amount Sold.	Proceeds of Sales.
Water 5 Per Cent. of 1916.....	$17,700 00	$23,142 75
Consolidated 6 Per Cent. of 1890.....	14,400 00	15,462 00
Five Million 6 Per Cent. of 1890.....	9,500 00	10,188 75
Park Improvement 6 Per Cent. of 1895.....	6,600 00	7,804 50
City Hall 6 Per Cent. of 1902..	6,600 00	8,431 50
Western Maryland Railroad 6 Per Cent. of 1902.....	8,300 00	10,727 75
City Hall 6 Per Cent. of 1900.	1,200 00	1,503 00
Public Park 6 Per Cent. of 1890.....	1,100 00	1,170 13
Funding 5 Per Cent. of 1916...	1,300 00	1,699 75
Western Maryland Railroad 4 Per Cent. of 1925	1,000 00	1,143 75
Consolidated 6 Per Cent. of 1893	5,300 00	6,028 75
Water 5 Per Cent. of 1894	100 00	110 00
Jones' Falls 5 Per Cent. of 1900.....	2,500 00	2,868 75
Amounts carried forward.....	$75,600 00	$90,281 38

STATEMENT G—Concluded.

Amounts brought forward.....	$75,600 00	$90,281 38
Exempt 6 Per Cent. of 1893....	200 00	227 50
Jones' Falls 6 Per Cent. of 1900	800 00	1,002 00
Jones' Falls 5 Per Cent. of 1900.....	500 00	500 00
West. Md. Railroad 3d Mortgage Guaranteed Bonds.....	69,000 00	85,791 25
West. Md. Railroad 2d Mortgage Guaranteed Bonds, (redeemed).....	51,500 00	51,500 00
West. Md. Railroad 1st Mortgage Guaranteed Bonds, (redeemed).....	56,000 00	56,000 00
One Million 6 Per Cent. of 1886, (redeemed).	1,500 00	1,500 00
Valley Railroad 6 Per Cent. of 1886, (redeemed).	1,200 00	1,200 00
	$256,300 00	$288,002 13
Cash.....		6,318 12
		$294,320 25

This amount will be paid to the Commissioners of Finance on January 3, 1887, for the redemption of the Western Maryland Railroad Bonds, as authorized by Ordinance No. 11 of 1886.

STATEMENT H.

Statement showing the Monthly Returns of the "Keepers of the Standards of Weights and Measures," from March 1' 1886, to December 31, 1886.

1886.	N. W. District.	S. W. District.	N. E. District.	S. E. District.	Totals.
March	$145 32	812 12	.....	419 32	1,376 76
April	343 60	478 38	211 94	429 07	1,462 99
May	334 31	201 15	630 15	5 51	1,171 12
June	144 72	.....	261 50	191 22	597 44
July	17 58	117 27	39 55	125 98	300 38
August	9 34	38 10	101 34	184 78	333 56
September	16 00	.....	69 09	26 03	111 12
October	17 20	27 31	20 54	35 60	100 65
November	13 00	123 82	23 36	12 14	172 32
December	17 70	24 90	15 04	11 60	69 24
Totals	$1,058 77	$1,823 05	$1,372 51	$1,441 25	$5,695 58

COMMUNICATIONS.

BALTIMORE, December 31, 1886.

JOHN A. ROBB, ESQ., *City Register:*

Dear Sir—The appropriations required by this Department for 1887 are as follows:

For repairs of public schools.....		$10,000 00
" repairs of city property, say:		
" City Hall.....	$3,000 00	
" engine houses.....	6,000 00	
" City Jail.....	3,000 00	
" market houses.....	3,000 00	
" court houses.....	2,500 00	
" dog pound.....	500 00	
		18,000 00
For substituting wood for plaster ceilings of public school houses.		3,000 00
For emptying cess-pools.....		2,000 00
" incidentals.....		100 00
" livery of two horses and repairs to wagons.....		600 00
" salaries.....		5,500 00
" balance due on Truck House No. 5.....		4,000 00
" completion of Observatory, Federal Hill.....		3,000 00
" map of city.....		75 00
Total.....		$46,275 00

Respectfully submitted,

J. THEODORE OSTER,
Inspector of Buildings.

BALTIMORE, January 1, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—The amounts required by the City Commissioner's Department for the year ending December 31, 1887, are as follows:

Repairs of paved streets	$75,000 00
" bridges	7,000 00
" sewers and inlets	10,000 00
" unpaved streets	1,500 00
Flags and stepping-stones	10,000 00
Paving and repaving in front of city property	1,000 00
Paving and repaving "cross streets."	10,000 00
Salaries	9,000 00
Livery	500 00
Incidentals	50 00
Light-street bridge	2,000 00
Extension of Low-street sewer	1,500 00
Lanvale-street and Edmondson-avenue sewers	13,452 37
Inlets to Howard-street sewer, Resolution No. 74 of 1886	350 00
Section of sewer North avenue and Bruce alley	5,000 00
Maintenance of floor of Calvert-street bridge	536 00
" " St. Paul street "	946 25
Balance due on turn-table for drawbridge	974 85
	$148,809 47

Respectfully,

A. E. SMYER,
City Commissioner

BALTIMORE, January 10, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—The following is the estimate of the expenses of this Department for the year ending December 31st, 1887:

Gas	$3,261 50
500 tons coal, at $5 per ton, and 10 cords wood	2,570 00
Cleaning City Hall	6,900 00
Repairs to furniture, gas fixtures, &c	1,800 00
Cleaning carpets and drapery, relaying, &c.	280 00
Ice	500 00
Brushes, buckets, brooms, feather dusters, mops, soap, scrubbing powder, sapolia, muslin, &c	338 58
Removing ashes and dirt	153 75
Incidental expenses	185 00
Winding tower clock and fire alarm striker, and regulating and repairing all clocks in the hall, batteries, zinks, &c	500 00
Laborer, to general work about the hall	720 00
New furniture, &c	500 00
Window shades	100 00
Spring rollers	25 00
Tax office, oil cloth	125 00
Office of Superintendent Public Schools, carpet	75 00
Office of Assistant-Superintendent Public Schools, carpet	50 00
Amount carried forward	$18,083 83

Amount brought forward	$18,083 83
Office of Commissioner of Street Cleaning, oil cloth, &c	45 00
City Register's office, carpet	50 00
Passage between First and Second Branch City Council, carpet	40 00
Commissioners for Opening Streets, case for plats, &c	25 00
Waiting room, Police Department, oil cloth.	85 00
Marshal's office, carpet, &c	150 00
City Commissioner's office, carpet and desk.	75 00
Cuspadors and rubber spittoons	100 00
Cocoa mats	100 00
	$18,753 83

Respectfully submitted,

JAS. DONNELLY,
Supt. City Hall.

BALTIMORE, January 13, 1887.

JOHN A. ROBB, ESQ., *City Register:*

Dear Sir—We hereby certify that the sum of $705,000 will be required to meet the expenses of the Police Department for 1887.

Very respectfully,

GEO. COLTON,
JOHN Q. A. ROBSON,
ALFRED J. CARR,
Police Commissioners.

BALTIMORE, January 6, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—The following is the estimated expenses of the Criminal Court, Record Office and Grounds, for the year 1887:

Superintendent, salary	$1,200 00
Watchman, salary	1,000 00
Janitor of Criminal Court, salary	380 00
Janitor for Ladies' Room, salary	300 00
Janitor for Court of Common Pleas, salary	180 00
For new furniture and repairing old	200 00
For new carpets and repairing and cleaning old ones	250 00
For brooms, buckets, brushes, towels, soap, &c	75 00
One new stove in prisoners' dock and one in jury room	50 00
Repairing stoves, rebricking, new pipe, &c.	100 00
New coal hods and repairing old ones	25 00
Repairing gas fixtures, new globes, &c	25 00
Removing ashes and cleaning coal bins, &c.	125 00
Whitewashing prisoners' room, rotunda of Criminal Court, stairway of same, basement of Criminal Court and stairway, also rotunda of Record Office and stairway.	125 00
100 tons of coal for Criminal Court, Superior Court, Court of Common Pleas, Grand and Petit Jury rooms, at $5 per ton	500 00
75 tons for Record Office Building, at $5 per ton	375 00
Amount carried forward	$4,905 00

Amount brought forward	$4,905 00
12 cords of wood, same rooms as coal, at $8 per cord	96 00
Gas for Criminal Court building and basement	200 50
Ice for court rooms, also grand and petit jury rooms	200 00
Ice coolers and repairing old ones	50 00
Locks and keys and repairing	50 00
New window curtains and repairing	75 50
Incidentals for scrubbing, cleaning, cutting grass, &c	150 00
New window awnings, repairing and putting up old ones	50 00
Oilcloth, carpet, and matting for court and jury rooms	200 00
	$5,985 00

Respectfully,

WILLIAM H. COX,

Superintendent.

BALTIMORE, January 12, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—For the support of Bayview Asylum it will require an appropriation of eighty thousand dollars.

Very truly, yours,

JOS. FRIEDENWALD,

Trustee.

BALTIMORE, January 3, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—The estimated appropriations for this Department for the year 1887 are as follows:

Lamp-pillars and lamp account	$26,066 00
Gas and electric light account	$235,449 90
Keep of General Superintendent's horse and wagon	300 00

ESTIMATED RECEIPTS.

Inspecting and sealing gas-meters	$2,500 00
Repairs of lamps	60 00
	$2,560 00

Yours truly,

F. W. KING,

Gen'l Supt. of Lamps, &c.

BALTIMORE, January 12, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—The annexed is an estimate required for Fire Department for the year 1887:

Salaries	$133,000 00
Apparatus	7,700 00
Amount carried forward	$140,700 00

Amount brought forward	$140,700 00
Apparatus repairs	4,000 00
Accident	2,000 00
Feed	10,000 00
Fuel	2,500 00
Furniture	700 00
Harness	500 00
Horseshoeing	1,300 00
Hose and sucking sleeves	5,500 00
Horses	3,000 00
Ground rent	704 25
Gas	800 00
Oils, grease, &c	1,500 00
Office expenses, including printing report and messenger's salary	1,200 00
Rent of Telephones	900 00
Miscellaneous	1,000 00
Washing	1,500 00
Insurance	1,100 00
Sick account	1,500 00
Disabled firemen	2,400 00
	$182,804 25
P. & F. A. telegraph	23,650 00
	$206,454 25

Respectfully,

SAMUEL KIRK, *President*,
J. ALEX. PRESTON,
JOHN F. HUNTER,
Board of Fire Commissioners.

BALTIMORE, January 12, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—Estimates for Harbor Board works for 1887 will be as below:

Harbor		$50,000 00
Spring Gardens, (middle branch)		10,000 00
Quarantine anchorage		10,000 00
Maintenance of ice boat		15,000 00
New bulkhead in city dock.		
Unexpended balance	$1,388 06	
New appropriation	10,611 94	
		12,000 00
Wharf repairs.		
Unexpended balance	$1,736 81	
New appropriation	1,263 19	
		3,000 00
Re-survey of harbor and maps.		
Unexpended balance	$1,063 77	
New appropriation	2,936 23	
		4,000 00
Bulkhead at Little Hawkins' Point		8,000 00
		$112,000 00

Respectfully, &c.,

N. H. HUITON,
Engineer.

BALTIMORE, January 11, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—I respectfully submit the following estimates for the expenses of the Health Department for the ensuing year:

General health	$15,000 00
Nuisance and sewers	15,000 00
Salaries	32,000 00
Quarantine hospital	20,000 00
Post-mortems	600 00
	$82,600 00

Yours very truly,

JAMES A. STEUART, M. D.,
Commissioner of Health and Registrar,

BALTIMORE, January 8, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—The following is the estimate of expenses for the Department of Street Cleaning for the year 1887:

134 Garbage men, at $18 per week	$125,424 00
56 Street men, at $18 per week	52,416 00
120 Scrapers and sweepers, at $10 per week	62,400 00
Salaries	9,000 00
Contract for removal of garbage	8,250 00
Dumps	4,500 00
Tools and incidentals	1,950 00
	$263,940 00

Respectfully submitted,

B. E. SMITH,
Commissioner of Street Cleaning.

BALTIMORE, January 12, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—The amount required by the Commissioners of Public Schools for current expenditures for the year 1887, as estimated by the Committee on Accounts, is as follows:

For salaries	$610,000 00
" rents and ground rents	33,500 00
" books and stationery	44,000 00
" heating apparatus	9,000 00
" furniture	11,500 00
" fuel	20,000 00
" repairs and cleaning	8,000 00
" incidentals, printing, supplies, &c	9,000 00
" Manual Training School	10,000 00
" evening schools	5,000 00
Total	$760,000 00

For the Committee,

HENRY M. COWLES,
Secretary.

BALTIMORE, January 10, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—My estimate of the expenses for the year 1887, for supplying stationery, black books, printed matter, &c., to the several Departments of the City Government, is seventy-five hundred dollars, ($7,500.)

Very respectfully,

SAM'L D. SMITH,
City Librarian.

BALTIMORE, January 1, 1887.

JOHN A. ROBB, Esq., *City Register:*

Dear Sir—The following is an estimate of requirements of Old Masonic Hall, City and Circuit Courts:

Janitor	$1,000 00
Watchman	900 00
Cleaning courts and offices	650 00
Fifty-five tons of coal	275 00
Ice	100 00
Gas	75 00
Brooms, buckets, ice-coolers, &c.	45 00
New stove for clerk's office, City Court	30 00
Cleaning carpets	38 00
New carpet for judge's private room	35 00
Incidentals	100 00
Whitewashing	15 00
Repairing furniture	35 00
	$3,298 00

Respectfully submitted,

P. REILLY,
Janitor.

REPORT

OF THE

DEPARTMENT OF FINANCE.

FOR THE YEAR 1886.

REPORT.

DEPARTMENT OF FINANCE.

BALTIMORE, December 31, 1886.

To the Honorable the Members of the
First and Second Branches of the City Council:

GENTLEMEN:

The Commissioners of Finance have the honor to submit herewith for your consideration, statements in detail exhibiting their transactions during the year, as follows:

1. A summary of receipts and payments on account of the various Sinking Funds.

2. A statement of stocks purchased for the different Sinking Funds.

3. A statement exhibiting the amount of the Redemption and Sinking Funds.

4. A statement of the condition of the Enoch Pratt Free Library Sinking Fund.

5. A schedule of real estate and ground rents from which income is derived.

6. A statement of the Funded and Guaranteed Debt of the city.

7. A balance sheet of the Sinking Funds' ledger.

8. A statement of the indebtedness of the Western Maryland Railroad Company to the city.

9. A statement of the total liabilities of the Western Maryland Railroad Company.

The matters embraced in the foregoing are exhibited under the respective heads in a detailed form in the appendix to this report.

1.—Receipts and Payments.

The receipts have been derived as follows:

From Baltimore and Ohio Railroad Company, dividend on stock.....	$260,000	00
From Baltimore and Ohio Railroad Company, on account of purchase of Pittsburg and Connellsville Railroad Bonds.....	40,000	00
From interest upon stocks and investments.....	372,273	55
From rental of real estate.	20,475	12
From sales of stock..... ...	965,127	63
Amount carried forward	$1,657,876	30

Amount brought forward..	$1,657,876 30
From redemption of One Million 1886 Loan.....	38,953 19
From redemption of Valley Railroad 1886 Loan.	681,800 00
From redemption of Consolidated 1885 Loan.....	33 33
From Western Maryland Railroad Company, for rent of Hillen Station to December 31, 1886, under contract by Ordinance No. 97 of 1875 .... (Of this amount $2,000, being one-eighth, was set apart as a Sinking Fund.)	16,000 00
From Western Maryland Railroad Company, for rent of depot to December 31, 1886, as per Ordinance 92 of 1882 . ..... (Of this amount $1,311.60, being one-seventh, was set apart as a Sinking Fund.)	9,181 48
From City Passenger Railway Company.....	5,684 02
From Central Railway Company	1,360 44
From Citizens' Railway Company.	3,121 42
Amount carried forward...	$2,414,010 18

Amount brought forward .	$2,414,010 18	
From North Baltimore Passenger Railway Company	3,548 18	
From Union Passenger Railway Company..	1,176 58	
From York Road Passenger Railway Company...	258 62	
From cash to credit of sinking funds, December 31, 1885.....	912,232 66	
		$3,331,226 22
The payments have been as follows:.		
For investment purchases..	$197,284 09	
For interest on stock debt..	420,005 00	
For redemption of One Million 1886 Loan.....	986,807 03	
For redemption of Valley Railroad 1886 Loan.....	1,008,200 00	
For redemption of Consolidated 1885 Loan	56,950 92	
For redemption of City Hall 1884 Loan.....	1,000 00	
For purchase of ground rents, as per ordinance 81 of 1881	51,771 80	
For sundry expenses, (as detailed in statement No. 1 of appendix)..	2,757 88	
		$2,724,776 72
Cash in bank to credit of funds.....		$606,449 50

2.—Investment Purchases of Stocks and Bonds.

This statement is submitted in obedience to Article XLII, Section 13, of the Baltimore City Code, and exhibits in detail the purchase of stocks and bonds, amounting to $176,143.12, at an average cost of $112\frac{002}{1000}$ per cent., the total amount of said purchase being.....	$197,284 09

3.—Amount of the Redemption and Sinking Funds.

Exhibiting in detail the amount and condition of the investments of the funds, as shown by the books of the Commissioners of Finance, as follows:

Productive Investments:		
General Sinking Fund.....	$5,106,827 54	
Public Park Sinking Fund.	562,116 43	
Hillen Station Sinking Fund.....	25,423 91	
Western Maryland Railroad Terminal Company Sinking Fund.....	4,808 29	
Western Maryland Railroad 1925 Loan Sinking Fund	44,248 90	
		$5,743,425 07
Other Productive Investments:		
Real estate, as shown in Statement No. 4, from which an annual rental of $7,746.76 is derived. This sum, capitalized at 6 per cent., is worth.....	$129,112 00	
Amounts carried forward.	$129,112 00	$5,743,425 07

Amounts brought forward.	$129,112 00	$5,743,425 07
550 shares Baltimore and Reisterstown Turnpike Stock	2,062 50	
137 shares Baltimore and Frederick Turnpike Stock	456 66	
625 shares Baltimore and Yorktown Turnpike Stock	3,125 00	
		$134,756 16
Unproductive Investments:		
4,000 shares Western Maryland Railroad Stock	$200,000 00	
Western Maryland Railroad Company's mortgage to secure endorsements	1,175,000 00	
Western Maryland Railroad Company, loan of City Stock	1,000,000 00	
Western Maryland Railroad Company, accrued interest advanced upon bonds guaranteed and stock loaned	2,034,000 00	
120 shares Baltimore and Havre de Grace Turnpike Stock		
7,600 shares Baltimore, Susquehanna and Tidewater Canal	380,000 00	
Amounts carried forward..	$4,789,000 00	$5,878,181 23

Amounts brought forward.	$4,789,000 00	$5,878,181 23
10,000 shares Valley Railroad Company of Virginia Stock.....	1,000,000 00	
		$5,789,000 00
Total productive and unproductive investments..		$11,667,181 23

INCREMENT OF THE SINKING FUNDS.

The increment of the sinking funds, from December 31, 1885, to December 31, 1886, amounting to....		$354,078 38
Was derived thus:		
From interest upon investments.....	$332,250 55	
From dividend on Baltimore and Ohio Railroad Stock	260,000 00	
From rent of Hillen Station, total amount received	$16,000 00	
Less amount appropriated for sinking fund.....	- 2,000 00	
	14,000 00	
Amount carried forward.....	$606,250 55	

Amount brought forward ..		$606,250 55
From rental of Western Md. Railroad Terminal Company depot, total amount received.	$9,181 48	
Less amount appropriated for sinking fund.....	1,311 60	
		7,869 88
From rental of real estate..		20,475 12
From premium on sale of $512,600, 5 Per Cent. Stock		100,913 65
From premium on sale of $308,500, 4 Per Cent. Stock		42,637 10
From premium on sale of $100, 6 Per Cent. Stock...		10 00
From City Passenger Railway company.....		5,684 02
From Central Passenger Railway Company.....		1,360 44
From Citizens' Passenger Railway Company.....		3,121 42
From North Baltimore Passenger Railway Company		3,548 18
Amount carried forward...		$791,870 36

Amount brought forward.	$791,870 36	
From Union Passenger Railway Company....	1,176 58	
From York Road Passenger Railway Company....	258 62	
		$793,305 56
Deduct:		
Amount paid Mayor and City Council for interest on stock debt.....	260,000 00	
Amount paid for interest on One Million Loan.....	30,000 00	
Amount paid for interest on Western Maryland Railroad Loan.....	60,000 00	
Amount paid for interest on Western Maryland Railroad guaranteed bonds.....	70,005 00	
Amount paid for premium on stock purchased.....	16,121 97	
Amount paid for accrued rent on ground rents purchased.....	342 33	
Amount paid for sundry expenses.	2,757 88	
		$439,227 18
		$354,078 38

And disbursed as shown by Statement No. 1. (See appendix.)

4.—Enoch Pratt Free Library Sinking Fund.

This statement shows the condition of the Enoch Pratt Free Library Sinking Fund on December 31, 1886, under the control of the Commissioners of Finance, who are required "to invest the interest upon the investments in the Sinking Fund, and the interest upon the interest, as the same shall be received, in the public debt of the city of Baltimore, until the annual income from said investments shall reach the sum of fifty thousand dollars." (Article 38, A, section 8, Supplement to the Baltimore City Code of 1885.)

5.—Real Estate and Ground Rents.

The schedule of real estate and ground rents presented in this form for convenience of reference, embraces only so much of the city property as is in control and shown upon the books of this Board, and from which income is derived by rentals.

The income derived from the public wharves and other valuable property being applied to current expenditures, does not appear in these accounts. (Baltimore City Code, Article XLII, section 14.)

6.—The Funded Debt and Guarantees.

At date of last annual report, December 31, 1885, these issues amounted to.....	$36,733,247 59
At the present date they amount to.....	34,955,289 64
Showing a decrease during the past fiscal year of.....	$ 1,777,957 95

Amount brought forward...			$1,777,957 95
Thus:			
Amount of City Hall 6 Per Cent. 1884 Loan redeemed.....		$ 1,000 00	
Amount of Consolidated 5 Per Cent. 1885 Loan redeemed.....		56,950 92	
Amount of One Million 6 Per Cent. 1886 Loan redeemed.....		986,807 03	
Amount of Valley Railroad 6 Per Cent. 1886 Loan redeemed.....		1,008,200 00	
		$2,052,957 95	
Less amount of Jones' Falls 3.65 Per Cent. Loan of 1900 issued.....	$120,000 00		
Less amount of Complet'n of Harford Run Sewer 4 Per Cent. Loan of 1904 issued..	155,000 00		
		275,000 00	
			$1,777,957 95

INCREASE OF FUNDED DEBT AUTHORIZED.

The Jones' Falls Loan, by Ordinance No. 12 of 1870.	$323,000 00	
The completion of the improvement of Harford-run Sewer 4 per cent. 1904 Loan, by Ordinance No. 115 of 1884.....	193,300 00	
The Western Maryland R. R. 3½ per cent. 1927 Loan, authorized by Ordinance No. 11 of 1886	1,800,000 00	
The Water 3 per cent. 1926 Loan, authorized by Ordinance No. 82 of 1886...	1,000,000 00	
		$3,316,300 00

THE FINANCIAL CONDITION OF THE CORPORATION.

Amount of funded debt, December 31, 1886.....	$33,463,289 64	
Amount of guaranteed debt, December 31, 1886.	1,492,000 00	
		$34,955,289 64
Of this amount interest is provided or paid as follows:		
The Baltimoie and Ohio Railroad Company upon.	$5,000,000 00	
The City Passenger Railway Companies upon....	755,566 25	
Amounts carried forward .	$5,755,566 25	$34,955,289 64

Amounts brought forward		$5,755,566 25	$34,955,289 64
The Water Board, from income, upon		9,500,000 00	
The Union Railroad Company upon		117,000 00	
The Western Maryland Railroad Company upon		884,000 00	
			16,256,566 25
			$18,698,723 39
Productive Investments:			
The Baltimore and Ohio Railroad Stock, 32,500 shares, producing $260,000 per annum, market value $170 per share		$5,525,000 00	
Value of sinking funds		5,743,425 07	
550 shares Baltimore and Reisterstown Turnpike Stock		2,062 50	
137 shares Baltimore and Frederick Turnpike Stock		456 66	
625 shares Baltimore and Yorktown Turnpike Stock		3,125 00	
The real estate, annual rental	$7,746 76		
The wharf property, annual rental	38,000 00		
Am'ts carried	$45,746 76	$11,274,069 23	

Amts. forward.	$45,746 76	$11,274,069 23	
The market-houses, annual rental...	50,000 00		
	$95,746 76		
This provides interest upon.....		1,595,779 00	
			$12,869,848 23

Unproductive Investments:

4,000 shares Western Maryland Railroad Company Stock	$200,000 00	
Western Maryland Railroad Company, mortgages to secure endorsements and loan of city stock	2,175,000 00	
Western Maryland Railroad Company, accrued interest advanced.....	2,034,000 00	
Baltimore and Susquehanna Tidewater Canal Stock.....	380,000 00	
10,000 shares of Valley Railroad Company Stock	1,000,000 00	
120 shares Baltimore and Havre de Grace Turnpike Stock.....		
		$5,789,000 00

This statement does not embrace any items connected with current receipts and expenditures, but refers only to the stock and bond liabilities of the corporation, and to investments specially set apart for redemption of the same.

The accounts now submitted for your consideration exhibit in detail all the transactions of the past year.

They show the gross receipts from all sources to have been		$3,331,226 22
And the disbursements to have been as follows:		
For investment purchases, (see Statement No. 2)	$197,284 09	
For purchase of ground rents, as per Ordinance No. 81 of 1881	51,771 80	
For redemption of City Hall 6 Per Cent. 1884 Loan	1,000 00	
For redemption of Consolidated 5 Per Cent. 1885 Loan	56,950 92	
For redemption of One Million 6 Per Cent. 1886 Loan	986,807 03	
For redemption of Valley Railroad Company 6 Per Cent. 1886 Loan	1,008,200 00	
For interest paid upon a part of the Funded Debt	420,005 00	
For amount paid for sundry expenses, (see Statement No. 1)	2,757 88	
		2,724,776 72
Balance, cash in bank to credit of funds		$606,449 50

This sum is held for the redemption of the Western Maryland Railroad Bonds, guaranteed by the city, on January 1, 1887, and outstanding loans which have matured.

The present value of the Sinking Funds' investments, represented in Statement No. 3, appendix, is shown to be.....			$5,743,425 07
The value of the same on December 31, 1885, was..	$7,442,304 64		
From which deduct:			
Amount of City Hall 1884 L'n redeemed....	$ 1,000 00		
Amount of Consolidated 1885 Loan redeemed.....	56,950 92		
Amount of One Million 1886 Loan redeemed....	986,807 03		
Amount of Valley Railroad 1886 L'n redeemed....1,008,200 00			
		2,052,957 95	
			5,389,346 69
Thus showing the increment of the funds during the year to have been....			$ 354,078 38

A sale of $50,000 Jones' Falls 3.65 Per. Cent. Loan of 1900, was made by public advertisement inviting competitive bids, on March 15, 1886, at a premium of $3,875.

A sale of $70,000 Jones' Falls 3.65 Per Cent. Loan of 1900, was made in the same manner as the above sale, on October 18, 1886, at a premium of $2,374.09.

Sales of $155,000 Completion of Harford Run Sewer 4 Per Cent. Loan of 1904, were made from time to time during the year, at a premium of $17,150.

Respectfully submitted,

JAMES HODGES, *Chairman*,
ENOCH PRATT,
DOUGLAS H. THOMAS,
Commissioners of Finance.

JOHN A. ROBB,
Clerk to Commissioners of Finance.

APPENDIX.

STATEMENT

DR. *The Commissioners of Finance in account*

To balance of cash in bank to credit of sinking funds December 31, 1885		$912,232 66
To General Sinking Fund:		
Received from sales of $166.88 fractions of stock.	$476 88	
Received from rental of real estate.....	20,475 12	
Received from rental of Hillen Station..	14,000 00	
Received from rental of Western Maryland Railroad Terminal Company's depot.....	7,869 88	
Received for interest on stocks and investments..	303,189 05	
Received for account of sale of Pittsburgh and Connellsville Railroad Bonds.....	40,000 00	
Received for the redemption of One Million 1886 Loan.....	37,753 19	
Amounts carried forward .	$424,064 12	$912,232 66

No. 1.

with the Mayor and City Council of Baltimore. CR.

By General Sinking Fund:		
Purchased fractions of City Stock	$ 143	12
Purchased $15,600 Valley Railroad 6 Per Cent. 1886 Loan	15,636	33
Paid six months' interest on One Million 1886 Loan	30,000	00
Paid one year's interest on Western Maryland Railroad 1902 Loan	60,000	00
Paid one year's interest on Western Maryland Railroad guaranteed bonds	70,005	00
Paid for redemption of City Hall 6 Per Cent. 1884 Loan	1,000	00
Paid for redemption of Consolidated 5 Per Cent. 1885 Loan	56,950	92
Paid for redemption of One Million 6 Per Cent. 1886 Loan	986,807	03
Paid for redemption of Valley Railroad 6 Per Cent. 1886 Loan	1,008,200	00
Amount carried forward...	$2,228,742	40

STATEMENT

DR. *The Commissioners of Finance in account*

Amounts brought forward.	$424,061 12	$912,232 66
Received for the redemption of Valley Railroad 1886 Loan.....	652,200 00	
Received from sale of $139,100 Water 5 per cent. 1894 Stock, at 113.05	157,252 55	
Received from sale of $200,000 Paving 4 per cent. 1920 Stock, at 114⅛.....	228,250 00	
Received from sale of $173,500 Funding 5 per cent. 1916 Stock, at 130.26.....	226,001 10	
Received from sale of $108,500 Paving 4 per cent. 1920 Stock, at 115.13.....	122,887 10	
Received from sale of $200,000 Jones' Falls 5 per cent. 1900 Stock, at 113.26.....	230,260 00	
		$2,040,914 87
Amount carried forward...		$2,953,147 53

No. 1.

with the Mayor and City Council of Baltimore. CR.

Amount brought forward..	$2,228,742 40	
Purchased redeemable ground rents, as authorized by Ordinance No. 81 of 1881	51,771 80	
Paid for advertising	364 13	
Paid for books, stationery, &c.	1,417 50	
Paid for clerical services...	300 00	
Paid for sundry expenses...	676 25	
		$2,283,272 08
By Public Park Sinking Fund:		
Purchased $82,400 Consolidated 6 Per Cent. 1890 Loan	$91,450 13	
Purchased $19,000 Five Million 6 Per Cent. 1890 Loan	20,935 26	
Purchased $900 Exempt 6 Per Cent. 1893 Loan	1,057 50	
Purchased $7,300 Western Maryland Railroad 6 Per Cent. 1902 Loan	9,690 75	
Purchased $1,300 Jones' Falls 6 Per Cent. 1900 Loan	1,706 25	
Amounts carried forward..	$124,839 89	$2,283,272 08

STATEMENT

DR. *The Commissioners of Finance in account*

Amount brought forward.		$2,953,147 53
To Public Park Sinking Fund:		
Received for interest on stocks	$26,613 00	
Received from City Passenger Railway Company	5,684 02	
Received from Central Passenger Railway Company	1,360 44	
Received from Citizens' Passenger Railway Company	3,121 42	
Received from North Baltimore Passenger Railway Company	3,548 18	
Received from Union Passenger Railway Company	1,176 58	
Received from York Road Passenger Railway Company	258 62	
Amounts carried forward.	$41,762 26	$2,953,147 53

No. 1.

with the Mayor and City Council of Baltimore. CR.

Amounts brought forward.	$124,839 89	$2,283,272 08
Purchased $600 City Hall 6 Per Cent. 1900 Loan....	781 50	
Purchased $500 Funding 6 Per Cent. 1900 Loan.....	651 25	
Purchased $6,700 Consolidated 6 Per Cent. 1893 Loan.	7,922 25	
Purchased $2,300 Public Park 6 Per Cent. 1890 Loan.....	2,507 00	
Purchased $500 Jones' Falls 3 Per Cent. 1900 Loan....	500 00	
		137,201 89
By Hilton Station Sinking Fund:		
Purchased $300 City Hall 6 Per Cent. 1900 Loan.....	$393 75	
Purchased $500 Western Maryland Railroad 6 Per Cent. 3d Mortgage Bond..	651 25	
Purchased $700 Western Maryland Railroad 6 Per Cent. 1902 Loan.....	915 25	
Purchased $400 Jones' Falls 6 Per Cent. 1900 Loan....	517 00	
		2,477 25
Amount carried forward...		$2,422,951 22

STATEMENT

DR. *The Commissioners of Finance in account*

Amounts brought forward.	$41,762 26	$2,953,147 53
Received for redemption of One Million 1886 Loan	1,200 00	
Received for redemption of Valley Railroad 1886 Loan	29,600 00	
		72,562 26
To Hillen Station Sinking Fund:		
Received for interest on stocks	$1,178 50	
Received from Western Maryland Railroad Company for one-eighth rent	2,000 00	
		3,178 50
To Western Maryland Railroad Terminal Company Sinking Fund:		
Received for interest on stocks	222 00	
Received from Western Maryland Railroad Company for one-seventh rent	1,311 60	
		1,533 60
Amount carried forward ..		$3,030,421 89

No. 1.

with the Mayor and City Council of Baltimore. CR.

Amount brought forward.		$2,422,951 22
By Western Maryland Railroad Terminal Company, Sinking Fund:		
Purchased $100 City Hall 6 Per Cent. 1900 Loan....	$131 25	
Purchased $300 Funding 6 Per Cent. 1900 Loan.....	393 75	
Purchased $300 Western Maryland Railroad 6 Per Cent. 1902 Loan	392 25	
Purchased $300 Jones' Falls 6 Per Cent. 1900 Loan....	387 75	
		1,305 00
By Western Maryland Railroad 1925 Loan, Sinking Fund:		
Purchased $400 City Hall 6 Per Cent. 1900 Loan.....	$525 00	
Purchased $400 Consolidated 6 Per Cent. 1890 Loan.....	445 00	
Purchased $600 Western Maryland Railroad 6 Per Cent. 1902 Loan.....	784 50	
Amounts carried forward..	$1,754 50	$2,424,256 22

STATEMENT

DR. *The Commissioners of Finance in account*

Amount brought forward..		$3,030,421 89
To Western Maryland Railroad 1925 Loan Sinking Fund:		
Received for interest on stocks.....		$2,148 50
To Enoch Pratt Free Library Sinking Fund:		
Received for interest on stocks.....	$38,622 50	
Received for redemption of Consolidated 5 Per Cent. 1885 Loan.....	33 33	
		38,655 83
Amount carried forward....		$3,071,226 22

No. 1.

with the Mayor and City Council of Baltimore. CR.

Amounts brought forward.	$1,754 50	$2,424,256 22
Purchased $100 Jones' Falls 6 Per Cent. 1900 Loan....	129 25	
		1,883 75
By Enoch Pratt Free Library Sinking Fund:		
Purchased $25,600 Consolidated 6 Per Cent. 1890 Loan.....	$27,973 00	
Purchased $3,800 Five Million 6 Per Cent. 1890 Loan.....	4,180 00	
Purchased $1,600 City Hall 6 Per Cent. 1900 Loan....	2,100 00	
Purchased $800 Funding 6 Per Cent. 1900 Loan.....	1,050 00	
Purchased $800 Consolidated 6 Per Cent. 1893 Loan.....	962 00	
Purchased $1,200 Jones' Falls 6 Per Cent. 1900 Loan.....	1,551 00	
Purchased $700 Park Improvement 6 Per Cent. 1895 Loan.....	820 75	
		38,636 75
Amount carried forward...		$2,464,776 72

STATEMENT

DR. *The Commissioners of Finance in account*

Amount brought forward..	$3,071,226 22
To Baltimore and Ohio Railroad Dividends:	
Received for dividends on 32,500 shares of stock.....	260,000 00
	$3,331,226 22

No. 1.

with the Mayor and City Council of Baltimore. CR.

Amount brought forward..	$2,464,776 72
By Baltimore and Ohio Railroad Dividends:	
Paid Mayor and City Council for interest on stock debt.....	260,000 00
By balance, cash in bank to credit of sinking funds..	606,449 50
	$3,331,226 22

STATEMENT No. 2.

"The Commissioners of Finance shall invest in city stock all moneys in their hands, or to their credit in bank, received for the sale or rent of city property, pledged for the redemption of the public debt; and shall also invest all moneys that may hereafter be received from the above-mentioned sources, as well as all interest accruing thereon, from time to time, and report to the City Council the amount purchased, and the dates and prices at which they were purchased." (Article XLII, section 13, Baltimore City Code.)

Date.	Sinking Fund.	Amount Purchased.	Description of Stock.				Amount Paid.
1886.							
Jan. 7	General Sinking Fund	$4,600 00	Valley R. R.	6	per ct. loan of	1886	$4,600 00
" 23	Enoch Pratt Free Library	2,100 00	Consolidat'd	6	" "	1890	2,336 25
" 23	" " "	300 00	City Hall	6	" "	1900	393 75
" 23	W. Md. R. R. Termin'l Co.	100 00	"	6	" "	1900	131 25
" 23	Hillen Station	300 00	"	6	" "	1900	393 75
" 23	W. Md. R. R. 1925 loan	400 00	"	6	" "	1900	525 00
" 23	" " "	200 00	Consolidat'd	6	" "	1890	222 50
Feb. 3	Enoch Pratt Free Library	800 00	"	6	" "	1893	962 00
M'h 13	Public Park	200 00	"	6	" "	1890	221 00
" 13	"	3,000 00	Five Million	6	" "	1890	3,315 00
" 13	"	900 00	Exempt	6	" "	1893	1,057 50

M'h	15	Public Park.....	7,300	00	W. M. R. R.	6	per ct. loan of	1902	9,690	75
"	16	"	5,600	00	Consolidat'd	6	" "	1893	6,622	00
"	18	"	1,100	00	Jones' Falls	6	" "	1900	1,443	75
"	19	"	3,400	00	Five Million	6	" "	1890	3,757	00
"	22	"	15,000	00	Consolidat'd	6	" "	1890	16,687	50
"	23	"	200	00	Jones' Falls	6	" "	1900	262	50
"	23	"	600	00	City Hall	6	" "	1900	781	50
"	23	"	500	00	Funding	6	" "	1900	651	25
"	25	"	3,000	00	Consolidat'd	6	" "	1890	3,322	50
Apl.	1	"	50,300	00	"	6	" "	1890	55,958	75
"	1	"	1,000	00	"	6	" "	1890	1,105	00
"	5	"	1,800	00	"	6	" "	1890	2,002	50
"	5	"	300	00	Five Million	6	" "	1890	333	75
"	7	"	2,100	00	Consolidat'd	6	" "	1890	2,325	75
"	10	Enoch Pratt Free Library	800	00	Funding	6	" "	1900	1,050	00
"	10	" " "	1,300	00	City Hall	6	" "	1900	1,706	25
"	10	W. Md. R. R. 1925 loan....	200	00	Consolidat'd	6	" "	1890	222	50
"	10	Hillen Station.....	500	00	W. Md. R. R.	6	pr. ct. 3d mtg. bd		651	25
"	10	W. Md. R. R. Termin'l Co.	300	00	Funding	6	pr. ct. loan of	1900	393	75
May	5	Enoch Pratt Free Library	3,800	00	Five Million	6	" "	1900	4,180	00
"	5	" " "	1,400	00	Consolidat'd	6	" "	1890	1,540	00
"	8	" " "	2,000	00	"	6	" "	1890	2,205	00
		Am'ts carried forward.	$115,400	00					$131,051	25

STATEMENT No. 2—Continued.

DATE.	SINKING FUND.	AMOUNT PURCHASED	DESCRIPTION OF STOCK.	AMOUNT PAID.
1886.	Am'ts brought forward. ..	$115,400 00		$131,051 25
May 8	Enoch Pratt Free Library	1,500 00	Consolidat'd 6 per ct. loan of 1890	1,650 00
" 10	" " "	2,200 00	" 6 " " 1890	2,425 50
July 1	Public Park.....	1,100 00	" 6 " " 1893	1,300 25
" 1	"	400 00	Five Million 6 " " 1890	438 00
" 3	"	700 00	" 6 " " 1890	766 50
" 3	"	300 00	Consolidat'd 6 " " 1890	328 88
" 6	"	700 00	Five Million 6 " " 1890	766 50
" 6	"	500 00	" 6 " " 1890	548 13
" 8	"	1,300 00	" 6 " " 1890	1,426 75
" 9	"	1,400 00	" 6 " " 1890	1,533 00
" 9	"	600 00	" 6 " " 1890	658 50
" 10	"	1,000 00	" 6 " " 1890	1,097 50
" 10	"	700 00	" 6 " " 1890	769 13
" 12	"	200 00	Consolidat'd 6 " " 1890	219 50
" 12	"	400 00	Five Million 6 " " 1890	439 00
" 14	Enoch Pratt Free Library	3,300 00	Consolidat'd 6 " " 1890	3,630 00
" 16	W. Md. R. R. 1925 loan. ..	600 00	W. M. R. R. 6 " " 1902	784 50
" 16	Hillen Station.....	700 00	" 6 " " 190	915 25
" 16	W. Md. R. R. Ter'l Co.....	300 00	" 6 " " 1902	392 25

Aug. 4	Public Park	2,000 00	Consolidat'd	6	per ct.	loan of	1890	2,202	50
" 12	"	2,000 00	"	6	"	"	1890	2,205	00
Sept. 2	"	4,000 00	Five Million	6	"	"	1890	4,420	00
" 2	"	400 00	"	6	"	"	1890	444	00
" 2	"	200 00	"	6	"	"	1890	222	50
" 9	Enoch Pratt Free Library	1,200 00	Jones' Falls	6	"	"	1900	1,551	00
" 9	W. Md. R. R. 1925 loan	100 00	"	6	"	"	1900	129	25
" 9	W. Md. R. R. Ter'l Co.	300 00	"	6	"	"	1900	387	75
" 9	Hillen Station	400 00	"	6	"	"	1900	517	00
Oct. 5	Public Park	2,300 00	Public Park	6	"	"	1890	2,507	00
" 8	Enoch Pratt Free Library	2,200 00	Consolidat'd	6	"	"	1890	2 387	00
" 18	General	1,000 00	Valley R. R.	6	"	"	1886	1,003	00
" 20	"	10,000 00	"	6	"	"	1886	10,033	33
Nov. 1	Enoch Pratt Free Library	4,900 00	Consolidat'd	6	"	"	1890	5,304	25
" 3	Public Park	4,000 00	"	6	"	"	1890	4,330	00
" 3	Enoch Pratt Free Library	6,000 00	"	6	"	"	1890	6,495	00
" 3	" " "	700 00	Park Imp.	6	"	"	1895	820	75
" 4	Public Park	500 00	Consolidat'd	6	"	"	1890	541	25
Dec. 22	"	500 00	Jones' Falls	3	"	"	1900	500	00
" 31	General	143 12	Fractions of city stock					143	12
		$176,143 12						$197,284	09

STATEMENT No. 2—Concluded.

Recapitulation.

Date.	Sinking Fund.	Amount Purchased	Description of Stock.	Amount Paid.
1886.				
Dec. 31	General	$15,600 00	Six per cent. stock	$15,636 33
" 31	"	143 12	Fractions of six per cent. stock	143 12
" 31	Public Park	121,000 00	Six per cent. stock	136,701 89
" 31	Hillen Station	1,900 00	" "	2,477 25
" 31	W. M. R. R. 1925 Loan	1,500 00	" "	1,883 75
" 31	W. M. R. R. Ter'l Co.	1,000 00	" "	1,305 00
" 31	Enoch Pratt Free Library	34,500 00	" "	38,636 75
" 31	Public Park	500 00	Three per cent. stock	500 00
		$176,143 12		$197,284 09

STATEMENT No. 3.

Condition of Sinking Funds December 31, 1886.

General Sinking Fund:

Consolidated 6 Per Cent. 1890 Loan	$ 81,733 73	
Five Million 6 Per Cent. 1890 Loan	122,628 76	
City Hall 6 Per Cent. 1900 Loan	56,600 00	
City Hall 6 Per Cent. 1902 Loan	13,400 00	
Funding 6 Per Cent. 1900 Loan	134,600 00	
Western Maryland Railroad 6 Per Cent. 1902 Loan	20,800 00	
Park Improvement 6 Per Cent. 1895 Loan	72,158 80	
Public Park 6 Per Cent. 1890 Loan	10,519 68	
Consolidated 6 Per Cent. 1893 Loan	1,250,341 38	
Jones' Falls 6 Per Cent. 1900 Loan	5,100 00	
Exempt 6 Per Cent. 1893 Loan	353 87	
		$1,768,236 22
Amount carried forward		$1,768,236 22

STATEMENT No. 3—Continued.

Amount brought forward ...		$1,768,236 22
Water 5 Per Cent. 1894 Loan..	$ 395,300 00	
Jones' Falls 5 Per Cent. 1900 Loan	120,500 00	
Water 5 Per Cent. 1916 Loan	7,400 00	
		523,200 00
Harford Run 4 Per Cent. 1920 Loan	$ 36,000 00	
Western Maryland Railroad 4 Per Cent. 1925 Loan.....	109,200 00	
Patterson Park Extension 4 Per Cent. 1920 Loan.....	5,000 00	
		150,200 00
Jones' Falls 3 Per Cent. 1900 Loan		14,500 00
Union Railroad Company's Guaranteed Bonds.....		87,500 00
Western Maryland Railroad Co.'s Guaranteed Bonds, (registered)		207,000 00
Western Maryland Railroad Co.'s 1st Mortgage Guaranteed Bonds, (coupon). .	$ 43,500 00	
Western Maryland Railroad Co.'s 2d Mortgage Guaranteed Bonds, (coupon)....	155,000 00	
Amounts carried forward ...	$198,500 00	$2,750,636 22

STATEMENT No. 3—Continued.

Amounts brought forward..	$198,500 00	$2,750,636 22
Western Maryland Railroad Co.'s 3d Mortgage Guaranteed Bonds, (coupon)....	18,000 00	
Western Maryland Railroad 2d Preferred Mortgage Guaranteed Bonds, (coupon).....	178,500 00	
		395,000 00
Western Maryland Railroad Co.'s Funding Certificates		226,530 00
Western Maryland Railroad Co.'s Unendorsed Coupons of 1st Mortgage Bonds....		71,742 00
Amount of obligation of Baltimore and Ohio Railroad Company, received for claim of Mayor and City Council against the Pittsburg and Connellsville Railroad Company, as authorized by Ordinance No. 47 of 1875.....	$1,000,000 00	
Less amount paid to the city by the Baltimore and Ohio Railroad Company, on account of said purchase	440,000 00	
		560,000 00
Amount carried forward.		$4,003,908 22

STATEMENT No. 3—Continued.

Amount brought forward ..		$4,003,908 22
Hillen Station property.....	$200,000 00	
Less amount of Hillen Station Sinking Fund, set apart for the repayment of the cost thereof.....	25,423 91	
		174,576 09
Amount invested in depot property of Western Maryland Railroad Terminal Company, as per Ordinance No. 92 of 1882.....	$131,163 81	
Less amount of Western Maryland Railroad Terminal Company Sinking Fund, set apart for the repayment of the same.....	4,808 29	
		126,355 52
Ground rents, purchase of which was authorized by Ordinance No. 81 of 1881..		230,643 96
Cash.....		571,343 75
		$5,106,827 54
Public Park Sinking Fund:		
Consolidated 6 Per Cent. 1890 Loan.....	$ 82,600 00	
City Hall 6 Per Cent. 1900 Loan.....	8,600 00	
Funding 6 Per Cent. 1900 Loan.....	1,700 00	
Amount carried forward....	$92,900 00	

STATEMENT No. 3—Continued.

Amount brought forward ...	$92,900 00	
Five Million 6 Per Cent. 1890 Loan.....	19,000 00	
Park Improvement 6 Per Cent. 1895 Loan.....	9,600 00	
Public Park 6 Per Cent. 1890 Loan.....	6,600 00	
Consolidated 6 Per Cent. 1893 Loan.....	139,500 00	
Exempt 6 Per Cent. 1893 Loan.....	900 00	
Western Maryland Railroad 6 Per Cent. 1902 Loan	7,300 00	
Jones' Falls 6 Per Cent. 1900 Loan.....	1,300 00	
		$277,100 00
Jones' Falls 5 Per Cent. 1900 Loan.....	$95,000 00	
Water 5 Per Cent. 1894 Loan.	93,500 00	
Funding 5 Per Cent. 1916 Loan.....	16,000 00	
		204,500 00
Harford Run 4 Per Cent. 1920 Loan.....	$14,000 00	
Paving 4 Per Cent. 1920 Loan	31,000 00	
Harford Run Sewer 4 Per Cent. 1904 Loan..	1,700 00	
		46,700 00
Jones' Falls 3 Per Cent. 1900 Loan.....		500 00
Cash...		33,316 43
		$562,116 43

STATEMENT No. 3—Continued.

Hillen Station Sinking Fund:		
Consolidated 6 per cent. Loan of 1890	$2,300 00	
Five Million 6 per cent. Loan of 1890	600 00	
City Hall 6 per cent. Loan of 1900	1,300 00	
Consolidated 6 per cent. Loan of 1893	100 00	
Western Maryland Railroad 6 per cent. Loan of 1902	1,500 00	
Funding 6 per cent. Loan of 1900	100 00	
Jones' Falls 6 per cent. Loan of 1900	400 00	
		$6,300 00
Jones' Falls 5 per cent. Loan of 1900	$8,000 00	
Water 5 per cent. Loan of 1894	4,700 00	
Funding 5 per cent. Loan of 1916	1,900 00	
		14,600 00
Paving 4 per cent. Loan of 1920		3,000 00
Western Maryland Railroad 3d mortgage guaranteed bond		500 00
Cash		1,023 91
		$25,423 91

STATEMENT No. 3—Continued.

Western Maryland Railroad Terminal Company Sinking Fund:		
Consolidated 6 per cent. Loan of 1890	$1,700 00	
Five Million 6 per cent. Loan of 1890	300 00	
Consolidated 6 per cent. Loan of 1893	100 00	
City Hall 6 per cent. Loan of 1900	800 00	
City Hall 6 per cent. Loan of 1902	100 00	
Western Maryland Railroad 6 per cent. Loan of 1902	800 00	
Funding 6 per cent. Loan of 1900	300 00	
Jones' Falls 6 per cent. Loan of 1900	300 00	
		$4,400 00
Cash		408 29
		$4,808 29
Western Maryland Railroad 1925 Loan Sinking Fund:		
Consolidated 6 per cent. Loan of 1890	$10,000 00	
Amount carried forward	$10,000 00	

STATEMENT No. 3—Concluded.

Amount brought forward....	$10,000 00	
Five Million 6 per cent. Loan of 1890	4,700 00	
City Hall 6 per cent. Loan of 1900	2,400 00	
City Hall 6 per cent. Loan of 1902	1,100 00	
Funding 6 per cent. Loan of 1900	2,000 00	
Western Maryland Railroad 6 per cent. Loan of 1902...	1,900 00	
Jones' Falls 6 per cent. Loan of 1900	100 00	
		$22,200 00
Western Maryland Railroad 4 per cent. Loan of 1925...		21,800 00
Cash		248 90
		$44,248 90

Recapitulation:

General Sinking Fund	$5,106,827 54
Public Park Sinking Fund	562,116 43
Hillen Station Sinking Fund	25,423 91
Western Maryland Railroad Terminal Company Sinking Fund	4,808 29
Western Maryland Railroad 1925 Loan Sinking Fund	44,248 90
	$5,743,425 07

STATEMENT No. 4.

Condition of Enoch Pratt Free Library Sinking Fund, held in trust by the Commissioners of Finance, as per Ordinance No. 64 of 1883, on December 31, 1886.

Consolidated 6 Per Cent. Loan of 1890	$38,900 00	
Five Million 6 Per Cent. Loan of 1890	11,400 00	
Funding 6 Per Cent. Loan of 1900	5,400 00	
City Hall 6 Per Cent Loan of 1900	12,600 00	
City Hall 6 Per Cent. Loan of 1902	1,600 00	
Western Maryland Railroad 6 Per Cent. Loan of 1902	6,500 00	
Consolidated 6 Per Cent. Loan of 1893	5,400 00	
Park Improvement 6 Per Cent. Loan of 1895	700 00	
Jones' Falls 6 Per Cent. Loan of 1900	1,200 00	
		$83,700 00
Water 5 Per Cent. Loan of 1916	$16,500 00	
Funding 5 Per Cent. Loan of 1916	300 00	
Jones' Falls 5 Per Cent. Loan of 1900	78,500 00	
		95,300 00
Amount carried forward		$179,000 00

STATEMENT No. 4—Concluded.

Amount brought forward.....		$179,000 00
Paving 4 Per Cent. Loan of 1920.	$62,300 00	
Patterson Park Extension 4 Per Cent. Loan of 1920.....	195,000 00	
Water 4 Per Cent. Loan of 1922..	500,000 00	
		757,300 00
Cash.....		108 22
		$936,408 22

STATEMENT No. 5.

A Schedule of Real Estate and Ground Rents upon the Books of the Commissioners of Finance.

LESSEES.	LOCATION OF LOTS.	ANNUAL RENTAL.
Swain & Banks	Nos. 9, 10, 11 and 12 President street	$ 452 25
C. S. Maltby	Nos. 24, 25, 26, 27, 28, 29 and 30, south side of Block street	721 88
"	42 feet, south side of Block street	189 00
Joseph Kaufman	Nos. 1, 2, 3, 4, 5 and 6 Weyler street	150 00
Wm. Groscup	No. 7 Weyler street	33 60
John F. Weyler	No. 8 " "	19 20
Jos. Baumgarten	No. 9 " "	26 32
Wm. Kleinhenn	No. 10 " "	26 32
Anton Young	Nos. 11 and 12 Weyler street	52 64
Chas. N. Oehm	No. 13 Weyler street	26 32
H. Klausmeyer	No. 14 " "	25 48
	Amount carried forward	$1,723 01

STATEMENT No. 5—Concluded.

LESSEES.	LOCATION OF LOTS.	ANNUAL RENTAL.
	Amount brought forward	$1,723 01
Catharine Karch	No. 15 Weyler street	26 32
N. Thomas & Co	Nos. 17 and 18 Weyler street	52 64
Frederick Kull	No. 19 Weyler street	19 20
George Wimmer	No. 20 " "	20 32
E. Snellenberg	Nos. 21 and 22 Weyler street	54 49
J. A. J. Goetz	No. 23 Weyler street	29 60
Aug. Pfeil	No. 25 " "	29 60
F. Schott	No. 29 " "	26 32
Aug. Pfeil	Southwest corner Light and Weyler streets	78 06
Geo. Hickman	Southwest corner Fayette and Arch streets	52 00
Wilson & Hunting	No. 5, 6, 7 and 8, west side of President street	502 50
Jno. G. Huck	Lot on Light street	75 70
Platt & Co	Fish-house property, south side of Basin	1,457 00
Baltimore and Philadelphia Steamboat Company	200 feet of wharf on Pratt street	3,600 00
		$7,746 76

Ground Rents purchased by authority of Ordinance 81, *of* 1881.

Comm'ers Public Schools...	Hollins and Monroe streets.....	$ 750 00	
" " " ...	Howard and Little Montgomery sts.	120 00	
" " " ...	Pennsylvania ave and Roberts st..	86 00	
" " " ...	Park avenue, near Preston street..	549 00	
" " " ...	Wæsche street, near Fremont.....	480 00	
" " " ...	Castle street.....	209 25	
Comm'ers Public Schools...	Hanover and Lee streets.....	210 00	
" " " ...	Sharp and West streets.....	570 00	
" " " ...	Argyle ave., near Lanvale st.....	120 00	
" " " ...	Hull and Clement streets.....	350 00	
" " " ...	Linden avenue and Wilson st.....	840 00	
" " " ...	Charles and Ostend streets.....	372 50	
" " " ...	Ann and Chase streets.....	501 75	
Mayor and City Council...	Monument and Chester streets....	1,200 00	
" " " ...	Collington square.....	960 00	
" " " ...	Perkins' spring square.....	2,052 00	
" " " ...	Riverside park.....	3,770 62	
" " " ...	Holliday and Fayette streets.....	56 00	
			13,197 12
	Purchased at a cost of $230,643 96		
	Total.....		$20,943 88

STATEMENT No. 6.

Statement of the Funded Debt, December 31, 1886.

Loan.	Rate.	When Redeemable.	Amount.
Consolidated	6 per cent.	At pleasure after July 1, 1890	$7,306,546 22
Public Park	6 "	" " Sept. 1, 1890	555,566 25
Exempt	6 "	" " Sept. 1, 1893	410,353 87
Water	6 "	" " July 1, 1894	263,000 00
"	5 "	" " July 1, 1894	3,737,000 00
"	5 "	" " July 1, 1916	5,000,000 00
"	4 "	" " Nov. 1, 1922	500,000 00
Funding	6 "	" " July 1, 1900	800,000 00
"	5 "	" " July 1, 1916	1,000,000 00
Harford Run Improv't	4 "	" " Jan. 1, 1920	250,000 00
Paving	4 "	" " Nov. 1, 1920	500,000 00
Five Million	6 "	January 1, 1890	5,000,000 00
Consolidated	6 "	September 1, 1893	2,211,068 05
Park Improvement	6 "	January 1, 1895	185,723 80
Jones' Falls	6 "	April 9, 1900	800,000 00
"	5 "	" 9, 1900	957,000 00
"	3.65 "	" 9, 1900	320,000 00
"	3 "	" 9, 1900	100,000 00

City Hall	6 per cent.	April 15, 1900	1,000,000 00
"	6 "	March 7, 1902	500,000 00
Western Md. Railroad	6 "	January 1, 1902	1,000,000 00
Harford Run Sewer	4 "	November 3, 1904	156,700 00
Patterson Park Imp't	4 "	October 1, 1920	200,000 00
Western Md. Railroad	4 "	July 1, 1925	684,000 00
Overdue Stock	6 "	No interest allowed	732 00
Water, 1875	6 "	" "	1,840 00
Consolidated, 1885	5 "	" "	3,465 46
One Million, 1886	6 "	" "	13,193 99
Valley Railroad, 1886	6 "	" "	7,100 00
		Total Funded Debt	$33,463,289 64

Guaranteed Debt

Endorsement of Western Md. Railroad, 1st Mortgage Bonds	$200,000 00		
" " " 2d "	300,000 00		
" " " 3d "	875,000 00		
" Union Railroad 1st "	117,000 00		
			1,492,000 00
Total Funded and Guaranteed Debt			$34,955,289 64

STATEMENT No. 7.

Balance Sheet of Sinking Funds' Ledger, Dec. 31, 1886.

	Dr.	Cr.
General Sinking Fund		$571,343 75
Public Park Sinking Fund		33,316 43
Hillen Station Sinking Fund		1,023 91
Western Maryland Railroad Terminal Company Sinking Fund		408 29
Western Maryland Railroad 1925 Loan Sinking Fund		248 90
Enoch Pratt Free Library Sinking Fund		108 22
Balance	$606,449 50	
	$606,449 50	$606,449 50

STATEMENT No. 8.

Statement of the indebtedness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimore, December 31, 1886.

First mortgage endorsement		$200,000 00
Second mortgage endorsement	$300,000 00	
Interest thereon to December 31, 1886	324,000 00	624,000 00
Second preferred mortgage bonds, held by the Commissioners of Finance		178,500 00
Third mortgage endorsement	$875,000 00	
Interest thereon to December 31, 1886	840,000 00	1,715,000 00
Fourth mortgage, to secure loan of city stock	$1,000,000 00	
Interest thereon to December 31, 1886	870,000 00	1,870,000 00
Loan of City Stock, authorized by Ordinance No. 71 of 1881		684,000 00
Amount carried forward		$5,271,500 00

STATEMENT No. 8—Concluded.

Amount brought forward...		$5,271,500 00
Funding certificates, being amount of matured coupons of first and second preferred mortgage bonds, funded, as per Ordinance No. 22 of 1879.....	$226,530 00	
Interest thereon from July 1, 1886, to present date....	6,795 90	
		233,325 90
Coupons from first mortgage unendorsed bonds.....	$71,742 00	
Interest thereon to December 31, 1886.....	47,989 09	
		119,731 09
		$5,624,556 99
Less value of Western Maryland Railroad Sinking Fund.		294,320 25
		$5,330,236 74

STATEMENT No. 9.

Statement of the Total Liabilities of the Western Maryland Railroad Company, December 31, 1886.

First and preferred second mortgages in the hands of individuals:		
First mortgage	$400,000 00	
Second preferred mortgage	421,500 00	
Funding certificates	320,376 00	
		$1,141,876 00
City's interest in and liability on account of first and second preferred mortgage:		
First mortgage endorsement	$200,000 00	
Second preferred mortgage bonds, purchased	178,500 00	
First mortgage coupons (not funded)	71,742 00	
Interest on said coupons	47,989 09	
Funding certificates	226,530 00	
Six months' interest on said certificates	6,795 90	
	$731,556 99	
Less value of sinking fund in hands of the City Register	294,320 25	
		437,236 74

STATEMENT No. 9—Concluded.

Second Mortgage:		
City's endorsement.....	$300,000 00	
Accrued interest to December 31, 1886.....	324,000 00	
		$624,000 00
Washington county endorsement.....	$300,000 00	
Accrued interest to December 31, 1886.....	324,000 00	
		624,000 00
Third Mortgage:		
City's endorsement.....	$875,000 00	
Accrued interest to December 31, 1886.	840,000 00	
		1,715,000 00
Fourth Mortgage:		
City stock loaned	$1,000,000 00	
Accrued interest to December 31, 1886.....	870,000 00	
		1,870,000 00
Loan of city stock authorized by Ordinance No. 71 of 1882.		684,000 00

RECAPITULATION.

First and second preferred mortgage, (individuals)		$1,141,876 00
First and second preferred mortgage, (city)		437,236 74
Second mortgage, (city)		624,000 00
Second mortgage, (Washington county)		624,000 00
Third mortgage, (city)		1,715,000 00
Fourth mortgage, (city)		1,870,000 00
Loan of City Stock		684,000 00
		$7,096,112 74
Deduct:		
In hands of individuals and Washington county		1,710,976 00
City's interest		$5,385,136 74
Capital Stock:		
Owned by the city	$200,000 00	
Owned by Washington Co.	150,000 00	
Owned by individuals	332,750 00	
		$682,750 00

Name of Issue.			Rate per Annum.	When Payable.		Where Payable.	
Five Million Loan		1890	6 per cent.	Jan., April, July and Oct.		Nat. Farm. & Plant. B'k.	
Consolidated	"	1890	6 "	"	"	"	"
City Hall	"	1900	6 "	"	"	"	"
"	"	1902	6 "	"	"	"	"
Funding	"	1900	6 "	"	"	"	"
West. Md. R. R.	"	1927	3.25 "	January and July		"	"
Patters'n Pk. Ex.	"	1920	4 "	Jan., April, July and Oct.		National Mechanics' B'k.	
Park Imp.	"	1895	6 "	"	"	"	"
Public Park	"	1890	6 "	Mar., June, Sept. and Dec.		"	"
Jones' Falls	"	1900	6 "	Feb., May, Aug. and Nov.		"	"
"	"	1900	5 "	"	"	"	"
"	"	1900	3.65 "	"	"	"	"
"	"	1900	3 "	"	"	"	"
West. Md. R. R.	"	1902	6 "	January and July		"	"
" "	"	1925	4 "	"	"	"	"
Harf'd Run Imp.	"	1920	4 "	"	"	"	"
Completion of Harford Run Imp't Loan		1904	4 "	"	"	"	"

Paving	"	1920	4	"	May and November		"	"
Water	"	1916	5	"	"	"	"	"
"	"	1894	6	"	"	"	"	"
"	"	1894	5	"	"	"	"	"
"	"	1922	4	"	"	"	"	"
"	"	1926	3	"	"	"	"	"
Funding	"	1916	5	"	"	"	"	"
Exempt	"	1893	6	"	March and September		"	"
Consolidated	"	1893	6	"	"	"	"	"

GUARANTEES.

Name of Issue.	Rate Per Annum.	When Payable.		Where Payable.
Western Maryland R. R. Company's bonds	6 per cent.	January and July		National Mechanics' B'k.
Union Railroad Company's bonds	6 "	"	"	Franklin Bank.

ANNUAL REPORT

OF THE

CITY COMPTROLLER

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1886.

REPORT.

DEPARTMENT OF THE CITY COMPTROLLER,

BALTIMORE, January 1, 1887.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

In accordance with the requirements of law, I have the honor of presenting herewith the report of this Department for the fiscal year ending December 31, 1886:

The following table exhibits the receipts and disbursements of the city government from the 1st day of January, 1886, to the 31st day of December, 1886, both days inclusive:

STATEMENT OF RECEIPTS.

From the City Collector, on account of the tax levy for 1886	$3,194,613 61	
" the City Collector, on account of taxes in arrears	$1,040,404 34	
Amount carried forward		$4,235,017 95

Amount brought forw'd.	$4,235,017 95	
From the City Collector, on account of interest on taxes in arrears.	19,447 31	
" the City Collector, on account of opening, closing and paving streets and alleys.....	152,205 42	
		$4,406,670 68
" market rents and licenses.....		56,532 40
" rent of public halls.....		1,716 15
" wharfage by Harbor Masters.....		32,351 99
" Park Board, for Druid Hill and Patterson Parks.....		106,450 20
" Criminal Court.....		80 52
" Riverside Park.....		2 00
" Federal Hill Park.....		5 00
" Johnston Square.....		50 00
" Eastern Fountain.....		5 00
" Trustees of Bayview Asylum, for board of inmates, &c.....		2,661 40
" sundry parties, difference in board of insane patients.....		2,340 00
" temporary loans.....		965,000 00
" the Pound Master, for sale of dogs.		140 27
" Quarantine Hospital fees.....		4,918 79
" Water Board, for rents, &c.....		603,195 70
" the Jail Visitors, for board of United States prisoners, &c....		2,790 74
Amount carried forward.....		$6,184,910 84

Amount brought forward	$6,184,910	84
From County Commissioners of Harford and Allegany Counties, for cases removed and tried in city courts	1,184	41
" Magistrates, for fines for violation of city ordinances	2,215	13
" ground rents due by sundry parties.	160	00
" auctioneers, for State tax on sales.	7,103	46
" sundry parties, for injury to street lamps	72	25
" the inspection of gas meters	5,065	00
" licenses for wagons, carts, billiards, dogs, &c	45,028	75
" sale of certificates of health and sealing papers	322	65
" the railway companies, for park sinking fund	15,149	26
" the City Librarian, for sale of codes, &c	39	00
" the Fire Commissioners, for sale of refuse, &c	332	00
" tax sales, for the redemption of property previously sold for taxes	3,479	57
" the City Commissioner, for account of advertising	208	00
" the Commissioner of Street Cleaning, for sale of refuse	2,299	68
" the State of Maryland, for the city's proportion of public school tax	156,814	69
Amount carried forward	$6,424,384	69

Amount brought forward	$6,424,384	69
From the Secretary of the School Board, for the use of books, &c	5,652	47
" J. F. Plummer, interest on legacy to public schools	129	58
" Elections		25
" Superintendent City Hall, for sale of old material	25	50
" State tax on city loans	24,756	54
" Baltimore and Ohio Railroad Company, interest on the $5,000,000 loan	300,000	00
" Water Board, interest on the water 1894, 1916, and 1922 loans	472,630	00
" Park Board, interest on the public park loan	41,333	96
" the Commissioners of Finance, dividend on Baltimore and Ohio Railroad stock	260,000	00
" the Western Maryland Railroad Company, interest on 1925 loan.	27,360	00
" permits and advertising, for erecting sheds, signs, &c	9,075	50
" the City Commissioner, for vaults and areas	1,060	40
" the City Commissioner, for improvement Jones' Falls	279	14
" the sale of Jones' Falls $3\frac{65}{100}$ per cent. stock	126,249	09
" the City Commissioner, for repairs paved streets	705	62
Amount carried forward	$7,693,642	74

Amount brought forward		$7,693,642 74
From the City Commissioner, for repairs of bridges	9 00	
" the City Commissioner, for repairs of sewers	2,998 34	
" the City Commissioner, for Necessity-alley sewer	6 20	
" the City Commissioner, for Light-street bridge	22 53	
" the City Commissioner, for paving loan 1920	108 62	
" the Park Commissioners, on account of Patterson Park extension	16 20	
" the Water Board, for account water loan 1922	3,064 96	
" intestate estates	502 21	
" conscience fund	16 00	
" sale of improvement Harford-run stock	172,150 00	
" the City Commissioner, for Central-avenue sewer	15 60	
" the City Commissioner, for Low-street sewer	29 48	
" the City Commissioner, for Chatsworth-run sewer	2 50	
" the City Commissioner, for Division-street sewer	13 75	
" turnpike dividends and interest	630 32	
" sale of tickets on account of transportation of poor	45 40	
" the City Commissioner, for Lanvale-street sewer	23 33	
Amount carried forward		$7,873,297 18

Amount brought forward	$7,873,297 18
From the Harbor Board, on account of re-survey of harbor, &c.	20 00
" damages and incidental expenses for opening, closing, and paving streets, alleys, &c	12,759 71
Cash in hands of the City Register January 1, 1886	187,023 57
	$8,073,100 46

STATEMENT OF DISBURSEMENTS.

For cleaning and repairs of markets	$ 5,055 46
" cleaning and repairs of Hollins, Cross street, and Broadway Halls.	183 05
" Superior Court	12,842 22
" Criminal Court	58,182 92
" Common Pleas Court	14,178 96
" Baltimore City Court	14,423 48
" Circuit Court	2,663 25
" Orphans' Court	7,692 65
" Supreme Bench	2,575 00
" commissions and incidentals of the Harbor Masters	8,168 69
" Druid Hill and Patterson Parks	101,242 29
" Riverside Park	6,977 95
" Federal Hill Park	6,908 18
" Johnston Square	4,059 41
" Harlem Park	8,999 91
" Eutaw Square, first division	1,500 00
" Eutaw Square, second division	2,498 67
Amount carried forward	$258,152 09

Amount brought forward	$258,152 09
For Mount Vernon Squares	1,500 00
" Park Place Squares	496 64
" Broadway Square, first division	1,500 00
" Broadway Square, second division	2,999 84
" Frick's Triangle	443 18
" Mount Royal Avenue Square	959 41
" Taney Place Squares	299 67
" Madison Square	2,699 85
" Lafayette Square	1,260 21
" Franklin Square	1,025 84
" Jackson Square	999 55
" Perkins' Spring Square	3,552 00
" Eastern Fountain	1,307 41
" Ashland Square	99 84
" Union Square	1,099 99
" Baker Circle	400 00
" interest on loans, &c., and discount on taxes	117,920 91
" expenses of the Mayor's office	1,395 04
" House of Refuge	17,965 70
" Baltimore University	387 02
" House of Reformation	10,000 00
" Maryland General Hospital	1,074 04
" Bayview	79,993 93
" dispensaries	8,400 00
" St. Mary's Industrial School	20,000 00
" Mount Hope Retreat	26,000 00
" deaf and dumb	444 11
" widows and orphans, war of 1812	200 00
" Maryland University	6,750 00
Amount carried forward	$569,326 27

	Amount brought forward.....	$569,326 27
For	Washington University.....	6,750 00
"	Maryland Hospital for the Insane..	14,330 18
"	Female House of Refuge.....	3,000 00
"	St. Vincent's Infant Asylum.....	4,166 67
"	Home of the Friendless.....	2,100 00
"	Nursery and Child's Hospital.....	1,250 00
"	St. Elizabeth's Colored Orphan Asylum.....	999 96
"	Industrial Home for Colored Girls.	1,500 00
"	temporary loans.....	865,000 00
"	the dog pound.....	999 90
"	Health Department (general).....	11,872 32
"	" " (salaries).....	31,692 22
"	Quarantine Hospital.....	19,548 02
"	nuisances.....	14,870 37
"	cleaning streets.....	256,849. 42
"	City Collector (expenses of office)..	47,490 02
"	Harbor Board.....	47,584 92
"	ice-boat *F. C. Latrobe*.....	14,993. 94
"	repairs of wharves.....	1,763 19
"	" " City Dock.....	12,111 94
"	bulkhead at Little Hawkins' Point.	9,996 50
"	dredging Jones' Falls.....	20,000 00
"	Water Board.....	664,815 46
"	Coroners.....	2,400 00
"	registration.....	12,534 90
"	salaries of Magistrates and substitutes.....	15,312 00
"	expenses of the Jail.....	62,499 57
"	judgments and suits.....	6,509 46
	Amount carried forward.....	$2,722,267 23

Amount brought forward	$2,722,267	23
For removed cases	2,964	83
" fines remitted by order of the Mayor.	376	25
" ground rents due by the city	3,843	32
" lamp-pillars and lamps	22,445	52
" gas and electric lights	199,149	72
" General Superintendent Lamps	300	00
" general license	1,463	21
" Park sinking fund	15,149	26
" City Librarian	7,456	57
" salaries and incidentals of the City Council	52,933	86
" the Police Department	683,400	72
" expenses of the Fire Department	206,949	59
" new fire-alarm boxes	3,114	76
" tax sales	6,084	13
" refunded taxes	3,182	09
" public printing	1,818	84
" public schools (salaries)	585,544	50
" " " (general)	144,106	58
" Manual Training School	8,972	53
" State and city elections	13,863	85
" expenses of the Supervisors of Elections	1,447	40
" special appropriations	12,462	40
" expenses of the Court-house and Record Office	5,947	05
" expenses of the City and Circuit Court Building	3,261	46
" general expense	1,051	48
" For Commissioners for Opening Streets	116	64
Amount carried forward	$4,709,673	79

Amount brought forward	$4,709,673	79
For salaries of city officers	71,151	77
" " " lamplighters	48,303	00
" Superintendent of City Hall	18,442	46
" transportation to House of Correction	236	90
" State tax on city loans	50,081	19
" interest on the stock debt	1,841,009	15
" Appeal Tax Court	98	55
" Inspector of Buildings	6,100	00
" repairs of public schools	11,953	88
" cleaning cess-pools	1,490	25
" repairs of city property	17,994	12
" permits for sheds, signs, &c	1,040	64
" painting Maryland Institute	1,000	00
" " Richmond Market	1,156	50
" foundation Public School No. 29	3,500	00
" new roof on Hanover Market	2,485	09
" repairs of Hollins Hall	598	90
" improving Engine House No. 5	5,500	00
" salaries, &c., of the City Commissioners' Department	9,533	64
" improvement Jones' Falls	101,141	27
" repairs paved streets	74,986	54
" " unpaved streets	1,494	79
" " of bridges	7,369	51
" repairs of sewers	9,454	43
" Necessity-alley sewer	11,076	63
" Light-street bridge	1,803	65
" iron plates	7,138	46
" paving in front of city property	1,258	96
Amount carried forward	$7,017,074	01

Amount brought forward	$7,017,074	01
For flag and stepping-stones	9,995	78
" cross streets	9,229	15
" paving loan, 1920	24,429	42
" shelling Franklin street	126	30
" " Eastern avenue	877	73
" " Ferry Point road	199	07
" " East Baltimore street, &c	1,500	00
" public meeting	252	92
" Maryland Institute	3,000	00
" insurance of Bayview, City College, and High Schools	2,685	00
" Patterson Park extension	3,989	37
" ringing Mechanics' bells	200	00
" winding Maryland Institute clock	75	00
" new fire-plugs, fountains, &c	4,000	00
" water-pipe on Hollins street	300	00
" Boys' Home Society	3,000	00
" water loan, 1922	65,518	80
" Enoch Pratt Free Library	50,000	00
" shelling Washington road and Bayard street	999	98
" intestate estates	439	50
" completion of improvement of Harford run	121,444	50
" post-mortems	600	00
" Central-avenue sewer	8,921	88
" Low-street "	7,392	40
" Chatsworth run "	22,632	40
" building Male and Female Primary No. 23	9,458	07
Amount carried forward	$7,368,341	28

	Amount brought forward	$7,368,341 28
For	building Primary No. 29	17,875 50
"	building Male and Female Primary No. 11	9,854 35
"	building Male and Female Grammar No. 15	17,849 11
"	re-building Broadway Market	10,289 34
"	building addition to City Jail	4,062 07
"	Tax Commission expenses	769 21
"	repairing floor of Calvert-street bridge	536 00
"	repairing floor of St. Paul-street bridge	946 26
"	extension of Division-street sewer	5,987 99
"	shelling Warner and Dock streets	270 66
"	changing grade of Fulton avenue	616 97
"	cleaning streets (special)	7,020 17
"	ice-boat *Maryland*	10,000 00
"	atlas of city of Baltimore for Inspector of Buildings	25 00
"	purchase of Bolton property	40,000 00
"	fire-escape at No. 15 School	400 00
"	elevator in City Hall	4,140 35
"	carrying poor to homes	1,003 87
"	heating apparatus at City Jail	1,800 00
"	improving Public School No. 11	1,200 00
"	re-paving Fish Market at Centre Market	1,000 00
"	building observatory at Federal Hill Park	5,000 00
"	new truck house in Northeast Baltimore	4,000 00
	Amount carried forward	$7,512,988 13

Amount brought forward	$7,512,988	13
For new turn-table at Drawbridge	3,200	00
" painting Gay-street bridge	281	12
" " Chase-street bridge	471	12
" " Calvert-street bridge	1,000	00
" " St. Paul-street bridge	1,000	00
" culvert in Lafayette avenue	3,488	00
" atlas of city of Baltimore for City Commissioner	25	00
" inlets to sewer on South Broadway	696	48
" removing Armistead Monument	326	50
" changing curb at north end of Eutaw Place	196	50
" improving gutters, corner Charles and Read streets	948	43
" sewer on Lanvale street	7,547	67
" quarantine anchorage	5,980	21
" new wharf at old Marine Hospital	1,859	89
" repairs to tug *Baltimore*	6,000	00
" re-survey of harbor and maps	3,956	23
" dredging channel of the Spring Gardens	14,960	37
" removing fence at Bolton property	294	64
" Collington Square	996	41
" re-indexing dockets of Court Common Pleas	2,000	00
" new roof on Lexington Market	1,548	03
" Manual Labor School	1,000	00
" St. Mary's Female Orphan Asylum	1,166	64
" copying dockets of the Circuit Court	1,500	00
Amount carried forward	$7,573,431	37

Amount brought forward.....	$7,573,431 37
For gutters at Chase and Valley streets.	460 92
" damages and incidentals in connection with opening streets....	198,100 78
" paving streets, &c.....	43,491 71
Balance in hands of the City Register December 31, 1886.....	257,615 68
	$8,073,100 46

As a proper check upon the financial officers of the city, money cannot find its way into the City Treasury except by and through the receiving warrant of the Comptroller. By this process that officer is enabled to ascertain at all times the amount of money that has been paid to the City Register. No money can be paid out of the City Treasury except by a warrant on the City Register, drawn by the Comptroller, the issuing of said warrant being based on properly authenticated bills filed and recorded in the office of the Comptroller. As accounts of these receipts and disbursements are entered upon the books of both of the financial officers of the city, these books must harmonize.

It is proper to quote the remark of preceding reports: "That the foregoing is but a record of all the money transactions appearing on the face of the ledger as the respective sums pass in and out of the City Treasury, and as among the receipts are recorded loans made to the city from time to time, and among the disbursements, payments of such loans, it is, of course, evident that the statement of receipts and disbursements above given is not a representation of revenue and expenses

proper; the latter information being furnished by the report of the City Register."

In my last report I called attention to the fact, that in the disbursements to the Criminal Court the payment of attorney fees constituted a considerable item of expense, and suggested that the Legislature should be asked to repeal the law allowing such fees.

It affords me much pleasure to be able to state that at the last session of the Legislature the law was repealed, and so re-enacted as to relieve the city from the payment of the fees referred to, except in cases where, with a just regard for the rights of the accused, the court may appoint counsel for his defense. The amount paid out for attorneys' fees during the year 1886 was $1,680, of which $1,605 was paid out before the law became operative; the amount paid out for the same purpose during the year 1885 was $4,500. The conclusion, therefore, seems reasonable, that hereafter a saving of at least $4,000 per annum will be the effect of this act of the last Legislature.

One of the items of expense on the table referring to the Hanover Market is $180 for office rent for the clerk. As a proper office could be built for about $500, it would seem more economical for the city to have one constructed, and I, therefore, call your attention thereto.

Following the example of my predecessor, I have been accustomed to place the vouchers of each year in a box especially constructed for such purpose, until nearly all the room at my disposal has been taken up.

Anticipating the embarrassment that would arise from a failure to make suitable provision for the proper keeping of these very valuable records of this Department, at my request the City Librarian obtained from your honorable body permission to use a portion of the appropriation for his Department for the purpose indicated. Under the supervision of J. T. Oster, Inspector of Buildings, one hundred and eighty patent files were placed in one of the rooms at the disposal of the Comptroller, each file being capable of holding one month's vouchers. The vouchers are thus not only safely stored, but are much easier of access than under the previous method.

The estimate of the Committee on Ways and Means of the license receipts of this Department for 1886 was $48,000, being $2,971.28 more than the actual receipts. The estimate of the committee was based on the revenue derived from that source during the year 1885, when the law relative to vehicles was more strenuously enforced by the police than during the year 1886; and when, also, a decision of the Court of Appeals bearing upon billiard tables forced many keepers of such tables to take out licenses, who, prior to such decision, had never taken any out, and who, dissatisfied with the heavy tax imposed, gave up keeping billiard tables, and hence took out no license during the year 1886. From these two causes there resulted a decrease of $3,443.67 in the revenue of this office.

FINANCIAL STATEMENT IN DETAIL.

For information in detail connected financially with the operations of the Department of the City Comp-

troller, I respectfully invite your attention to the subjoined tables:

Table A is a statement of the amount charged and credited to the City Register.

Table B shows the amount of taxes collected during the year, and the amount charged to the City Collector for taxes in arrears.

Table C is a statement of the receipts and disbursements of Markets, Public Halls, General Licenses, Theatricals, and Wharfage Accounts.

Table D is a statement of the several Courts, Supreme Bench, Magistrates, Judgments and Suits, City Council, Police Department, Supervisors of Elections, removed cases, Registration, and Baltimore City Jail.

Table E is an exhibit of the receipts from taxes and other sources, and payment on account of interest on the Stock Debt, Sinking Fund, Loans, Interest, Water Board, Dog Pound, Public Schools, general and Salaries, Manual Training School, City Property, Special Appropriations, Patterson Park Extension, Water Loan 1922, and State Tax on City Loans.

Table F is a statement of receips and disbursements on account of Druid Hill and Patterson Parks and Riverside Park.

Statement A is a statement of the several Public Squares, Health Department, Harbor Board, Comsioner of Street Cleaning, City Collector, City Poor,

General Superintendent of Lamps, Gas and Electric Lights, Lamp-pillars and Lamps, Inspector of Buildings' Department, City Commissioner's Department, Fire Department, and General Expenditures under the head of Miscellaneous.

Statement B shows the amounts received and paid for opening, closing, and widening streets and alleys.

Table G shows the amounts paid for Paving Streets and Alleys, and amounts received from City Collector on account of Paving Streets.

I have the honor to be,

Very respectfully,

Your obedient servant,

JAMES R. HORNER,

Comptroller of the City.

TABLES.

TABLE A.

Dr. John A. Robb, *City Register, in account with*

1886.

January	1	To balance	$ 187,023	57
January	31	" cash	148,203	00
February	28	" "	810,017	36
March	31	" "	396,858	87
April	30	" "	577,889	31
May	31	" "	376,853	45
June	30	" "	1,268,279	73
July	31	" "	1,784,250	49
August	31	" "	252,670	74
September	30	" "	221,123	67
October	31	" "	770,084	80
November	30	" "	443,982	61
December	31	" "	835,862	86
			$8,073,100	46

TABLE A.

the Mayor and City Council of Baltimore. Cr.

1886.

January	31	By Comptroller's Warrants.		$	575,497 72
February	28	"	"	"	333,422 64
March	31	"	"	"	384,502 49
April	30	"	"	"	543,326 20
May	31	"	"	"	908,131 66
June	30	"	"	"	965,930 34
July	31	"	"	"	1,214,317 08
August	31	"	"	"	393,249 37
September	30	"	"	"	536,467 02
October	31	"	"	"	899,482 27
November	30	"	"	"	702,320 01
December	31	"	"	"	358,837 98
December	31	" balance			257,615 68
					$8,073,100 46

TABLE B.

Collection of Taxes, Opening of Streets, &c., made by the City Collector for the year ending December 31, 1886.

	1882.	1883.	1884.	1885.	1886.	Total.
Police Department	$ 87 69	$ 985 99	$12,867 43	$143,183 57	$ 509,216 37	$666,341 05
Certain Expenses	29 23	328 68	4,454 13	53,693 84	163,676 67	222,182 55
Public Schools	58 47	739 52	9,403 13	137,217 57	418,284 88	565,703 57
City Poor	21 93	328 68	3,464 33	53,693 84	145,490 38	202,999 16
Direct Tax	193 66	2,382 82	31,673 63	363,924 90	1,254,854 61	1,653,029 62
Miscellaneous Stocks	109 62	1,232 48	15,341 91	161,081 52	491,030 04	668,795 57
Opening Streets	.....	164 32	494 90	29,829 92	72,745 19	103,234 33
Water Tax	.....	.....	1,484 66	11,931 97	36,372 60	49,789 23
	$500 60	$6,162 49	$79,184 12	$954,557 13	$3,091,670 74	$4,132,075 08
Interest	94 29	897 81	5,743 63	12,711 58	.....	19,447 31
Discount	.....	.....	.....	.....	102,942 87	102,942 87
	$594 89	$7,060 30	$84,927 75	$967,268 71	$3,194,613 61	$4,254,465 26
Opening and Closing Streets and Alleys	.....	.....	.....	.....	.....	73,462 52
Paving Streets and Alleys	.....	.....	.....	.....	.....	78,742 90
						$4,406,670 68

TABLE B—Concluded.

Amount charged against City Collector, Jan. 1, 1887.

Year.	Levy.	Basis of Taxation.	Amount.
1883	$1.50	$ 207,857 00	$ 3,117 85
1884	1.60	419,380 00	6,710 08
1885	1.60	5,142,555 00	82,280 88
1886	1.70	66,338,682 00	1,127,757 59
		$72,108,474 00	$1,219,866 40

TABLÆ C.

Hanover Market—John H. Mortimer, Clerk.

	Dr.	Cr.
Butcher stall rents		$1,449 00
Fish stall rents		668 50
Permanent stall rents		460 00
Eave stall rents		188 00
Street stall rents		873 00
Per diem rents	$1,771 95	
Licenses	1,135 00	
		2,906 95
		$6,545 45

TABLE C—Continued.

Belair Market—Joseph H. Wright, Clerk.

	Dr.	Cr.
Butcher stall rents		$2,445 00
Fish stall rents		174 00
Permanent stall rents		396 00
Eave stall rents		192 00
Street eave stall rents		240 00
Gutter stall rents		486 00
Movable stall rents		224 00
Per diem rents	$2,289 75	
Licenses	1,920 00	
		4,209 75
		$8,366 75

TABLE C—Continued.

Cross Street Market—James Graham, Clerk.

	Dr.	Cr.
Butcher stall rents		$ 851 25
Fish stall rents		150 00
Permanent stall rents		396 00
Eave stall rents		421 00
Vegetable stall rents		230 00
Street eave stall rents		160 00
Per diem rents	$1,889 50	
Licenses	10 00	
		1,899 50
		$4,107 75

TABLE C—Continued.

Lexington Market—W. H. Pope, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$ 2,750 00
Fish stalls, rent and license....		350 00
Permanent stalls, rent and license.....		1,980 00
Eave stalls, rent and license...		1,540 00
Vegetable stalls, rent and license		600 00
Street eave stalls, rent and license.....		285 00
Street stalls, rent and license...		1,150 00
Movable stalls, rent and license.		294 00
Per diem rents.....	$3,599 30	
Confiscated butter.....	4 40	
		3,603 70
		$12,552 70

TABLE C—Continued.

Hollins Market—James Biden, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license.		$ 697 00
Fish stalls, rent and license.....		52 00
Permanent stalls, rent and license.....		200 00
Eave stalls, rent and license....		215 00
Vegetable stalls, rent and license		25 00
Street eave stalls, rent and license.....		700 00
End stalls, rent and license.....		55 00
Space stalls, rent and license....		205 00
Nine months' stalls, rent and license		18 00
Per diem rents.....		1,595 47
		$3,762 47

TABLE C—Continued.

Centre Market—Daniel Murray, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$2,057 00
Fish stalls, rent and license.....		260 00
Gutter stalls, rent and license...		346 00
Permanent stalls, rent and license.		963 00
Eave stalls, rent and license.....		708 00
Street eave stalls, rent and license.		102 00
Movable stalls, rent and license.		649 00
Wholesale stalls, rent and license.		60 00
Per diem rents		2,255 15
		$7,400 15

TABLE C—Continued.

Richmond Market—George H. Clifton, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$ 686 50
Permanent stalls, rent and license.		303 00
Fish stalls, rent and license....		180 00
Eave stalls, rent and license....		261 88
Street eave stalls, rent and license.....		40 00
Aisle stalls, rent and license....		80 00
Movable stalls, rent and license.		107 00
Space stalls, rent and license....		316 68
Space and kerb stalls, rent and license.....		282 00
Per diem rents.....	$1,467 89	
Confiscated butter.....	1 20	
		1,469 09
		$3,726 15

TABLE C—Continued.

Fells' Point Market—F. Buckheimer, Clerk.

	Dr.	Cr.
Butcher stall rents		$1,425 00
Fish stall rents		52 00
Permanent stall rents		392 00
Eave stall rents		364 00
Street stall rents		26 00
Movable stall rents		52 00
Vegetable stall rents		826 00
Per diem rents	$1,766 25	
Licenses	1,950 00	
		3,716 25
		$6,853 25

TABLE C—Continued.

Lafayette Market—Thomas Briddell, Clerk.

	Cr.
Butcher stalls	$ 95 00
Eave stalls	415 75
Permanent stalls	296 11
Space stalls	95 00
	$901 86

TABLE C—Continued.

Northeast Market—Michael Kunkel, Clerk.

	Dr.	Cr.
Butcher stalls		$ 300 00
Permanent stalls		182 00
Eave stalls		133 00
Fish stalls		28 00
Vegetable stalls		587 00
Per diem rents	$393 90	
Licenses	147 50	
		$ 541 40
		$1,771 40

TABLE C—Continued.

Canton Market—Owen Malone, Clerk.

	Dr.	Cr.
Butcher stalls		$127 50
Permanent stalls		74 00
Eave stalls		24 00
Vegetable stalls		2 00
Street eave stalls		2 00
Per diem rents	$134 97	
Licenses	180 00	
		314 97
		$544 47

TABLE C—Continued.

Summary of Markets.

	Dr.	Cr.
Hanover Market		$ 6,445 45
Belair "		8,366 75
Cross-street "		4,107 75
Lexington "		12,552 70
Hollins "		3,762 47
Centre "		7,400 15
Richmond "		3,726 15
Fell's Point "		6,853 25
Lafayette "		901 86
Northeast "		1,771 40
Canton "		544 47
		$56,432 40
Expenses of cleaning, repairs, &c.		
Hanover Market	$625 61	
Belair "	640 10	
Cross-street "	314 75	
Lexington "	622 18	
Hollins "	392 05	
Centre "	703 23	
Richmond "	417 90	
Fell's Point "	534 24	
Lafayette "	250 80	
Northeast "	181 50	
Canton "	373 10	
		$5,055 46
Net revenue		$51,376 94

TABLE C—Continued.

Public Halls.

	Dr.	Cr.
Cross Street Hall—		
By amount received for rent....		$320 00
To amount paid for cleaning, &c	$ 55 55	
Hollins Hall—		
By amount received for rent.....		656 45
To amount paid for cleaning, &c.	41 00	
Broadway Hall—		
By amount received for rent....		739 70
To amount paid for cleaning, &c.	86 50	
To Balance, December 31, 1886..	1,533 10	
	$1,716 15	$1,716 15

TABLE C—Continued.

Receipts from Licenses.

	Cr.
Wagons, 1 horse	$13,878 40
Wagons, 2 horses	7,132 25
Wagons, 4 horses	428 15
Carts	4,821 90
Drays	932 05
Omnibuses and Cars	1,550 25
Hacks	1,126 70
Package Carts	435 40
Lighters	273 55
Bacon	3,095 50
Puddings	315 40
Merchandise	354 20
Foreign Fruit	441 80
Billiards	2,867 10
Bagatelle	730 05
Ten-pins	100 00
Pawnbrokers	800 00
Dogs	1,019 60
Coal Oil	2,043 45
Theatricals	2,683 00
	$45,028 75

TABLE C—Continued.

General License.

	Dr.	Cr.
By appropriation, Ordinance No. 57, 1886		$1,500 00
To amount paid for painting numbers, advertising, &c	$1,463 21	
To balance, December 31, 1886	36 79	
	$1,500 00	$1,500 00

TABLE C—Concluded.

Collection of Wharfage from January 1, 1886, to December 31, 1886.

Date.	1st District.	2d District.	3d District.	4th District.	5th District.	Aggregate.
January	$ 73 90	$219 44	$505 37	$407 41	$1,083 34	$2,289 46
February	21 10	108 91	435 73	361 67	711 42	1,638 83
March	86 06	102 90	366 41	360 91	925 22	1,841 44
April	85 98	223 92	319 38	363 07	1,173 08	2,165 43
May	53 70	309 33	363 81	341 11	1,822 37	2,890 62
June	97 40	375 59	485 81	349 59	1,874 18	3,182 57
July	75 80	506 60	601 59	361 92	1,584 03	3,129 94
August	25 70	446 40	613 27	407 82	1,757 67	3,250 86
September	99 50	414 71	532 75	523 22	1,748 31	3,318 49
October	81 25	400 11	603 80	343 42	1,785 63	3,214 24
November	68 45	209 35	508 75	429 16	1,570 97	2,786 68
December	101 20	189 61	600 87	368 92	1,382 83	2,643 43
	$869 98	$3,506 90	$5,937 54	$4,618 52	$17,419 05	$32,351 99

Total collections from January 1 to December 31, 1886		$32,351 99
Less amount of commissions paid to Harbor Masters	$6,470 39	
" " paid for rent and incidental expenses	498 30	
" " " " boatmen's salary	1,200 00	
		8,168 69
Net revenue		$24,183 30

TABLE D.

Superior Court.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$15,000 00
To amount paid Bailiffs	$4,500 00	
" " Clerk	2,038 17	
" " for Drawing Jurors	140 65	
" " Jurors	5,058 00	
" " Janitor	360 00	
" " Sheriff	745 40	
To balance, December 31, 1886	2,157 78	
	$15,000 00	$15,000 00

TABLE [illegible]

Criminal Court.

	Dr.	Cr.
By appropriation, Ordinance 57, 1885		$58,000 00
By amount received from J. S. Bullock, Clerk		80 52
To amount paid Bailiffs	$7,500 00	
" " Sheriff	9,316 91	
" " Clerk	12,093 25	
" " State's Attorney	11,169 30	
" " Stenographers	137 89	
" " for incidental expenses	59 10	
" " Grand and Petit Jurors	13,552 81	
To amount paid Attorneys for defending parties charged with infraction of the Criminal Laws	1,680 00	
To amount paid for board of Jurors	956 00	
To amount paid for stationery for Grand Jury	34 15	
To amount paid for chemical analysis	150 00	
To amount paid to W. M. Cary, for Judges' Calender	200 00	
To amount paid to Dr. Gundry as expert	300 00	
To amount paid for detective's services and expenses	18 85	
To amount paid for witnesses	461 66	
By balance, December 31, 1886		102 40
	$58,182 92	$58,182 92

TABLE D—Continued.

Court of Common Pleas.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$16,000 00
To amount paid Clerk	$ 2,400 45	
" " Bailiffs	4,500 00	
" " Watchman	1,000 01	
" " Jurors	5,554 50	
" " for Stationery	313 80	
" " Sheriff	410 20	
To balance, December 31, 1886	1,821 04	
	$16,000 00	$16,000 00

TABLE D -Continued.

Baltimore City Court.

		Dr.	Cr.
By appropriation, Ordinance 57. 1886			$15,000 00
To amount paid Clerk	$ 3,784 24		
" " Bailiffs	4,500 00		
" " Sheriff	583 60		
" " Jurors	5,167 50		
" " for Incidentals and Stationery.	388 14		
To balance, December 31, 1886.	576 52		
		$15,000 00	$15,000 00

TABLE D—Continued.

Circuit Court.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$2,900 00
To amount paid Bailiff and Messenger	$ 1,500 00	
" " Watchman	900 00	
" " for Stationery	119 90	
" " Clerk	143 35	
To balance, December 31, 1886	236 75	
	$2,900 00	$2,900 00

TABLE D—Continued.

Orphans' Court.

		Dr.	Cr.
By appropriation, Ordinance 57, 1886.			$8,000 00
To amount paid Judges	$5,634 00		
" " Bailiff	1,252 00		
" " Janitor	699 96		
" " for incidentals	106 69		
To balance, December 31, 1886	307 35		
		$8,000 00	$8,000 00

Supreme Bench.

		Dr.	Cr.
By appropriation, Ordinance 57, 1886.			$2,575 00
To amount paid Judges	$2,500 00		
" " City Collector for furnishing list of taxpayers	75 00		
		$2,575 00	$2,575 00

TABLE D—Continued.

Magistrates.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$15,650 00
To amount paid Magistrates	$14,688 70	
" " Substitutes	623 30	
To balance, December 31, 1886.	338 00	
	$15,650 00	$15,650 00

Fines.

	Dr.	Cr.
By amount of city's proportion of fines		$2,215 13
To amount paid for fines remitted by the Mayor	$ 376 25	
To balance, December 31, 1886.	1,838 88	
	$2,215 13	$2,215 13

TABLE D—Continued.

Judgments and Suits.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$8,000 00
To amount paid sundry judgments rendered against the M. & C. C. by various courts, and for sundry expenses paid.	$6,509 46	
To balance, December 31, 1886	1,490 54	
	$8,000 00	$8,000 00

City Council.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$53,000 00
To amount paid to members	$30,384 33	
" " to clerks, &c.	13,075 00	
" " for printing and other expenses	9,474 53	
To balance, December 31, 1886	66 14	
	$53,000 00	$53,000 00

TABLE D—Continued.

Police Department.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$690,000 00
To amount paid on warrants of the Board of Police Commissioners	$683,400 72	
To balance, Dec. 31, 1886	6,599 28	
	$690,000 00	$690,000 00
Received from the City Collector, on account of the tax levy for the Police Department		$666,341 05

TABLE D—Continued.

Supervisors of Elections.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		1,500 00
To amount paid to Clerk	683 28	
To amount paid to Messenger	83 32	
To amount paid for advertising and incidental expenses	330 80	
To amount paid to Secretary	350 00	
To balance, December 31, 1886.	52 60	
	$1,500 00	$1,500 00

TABLE D—Continued.

Removed Cases.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$4,000 00
By amount received from County Commissioners of Harford County		171 03
By amount received from County Commissioners of Allegany County		1,013 38
To amount paid to sundry parties.	$2,964 83	
To balance, December 31, 1886..	2,219 58	
	$5,184 41	$5,184 41

TABLE D—Continued.

Registration.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$15,000 00
By appropriation, Resolution 12, 1886		209 36
By appropriation, Resolution 33, 1886		42 25
To amount paid Counsellor of Registers	$ 300 00	
To amount paid Registration Officers	9,999 99	
To amount paid for stationery, advertising, &c.	2,234 91	
To balance, December 31, 1886.	2,716 71	
	$15,251 61	$15,251 61

TABLE D—Concluded.

Baltimore City Jail.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$62,500 00
By amount received for board of United States prisoners		1,432 50
By amount received from hire of prisoners		1,344 49
By amount received for Jail fees.		13 75
To amount paid on warrants of the Board of Visitors	$62,499 57	
To balance, December 31, 1886.	2,791 17	
	$65,290 74	$65,290 74

TABLE E.

Receipts from taxation and other sources, and payments on account of interest on Stock Debt.

	Dr.	Cr.
Received from the City Collector on account of the levy for miscellaneous stocks.....		$ 668,795 57
Received from the Baltimore and Ohio Railroad Company, interest on the $5,000,000 loan.....		300,000 00
Received from the Commissioners of Finance, dividend on 32,500 shares Baltimore and Ohio Railroad stock....		260,000 00
Received from Park Board interest on Public Park and Patterson Park Extension loans....		41,333 96
Received from Water Board for interest on Water Loans of 1894, 1916, and 1922.....		472,630 00
Received from Western Maryland Railroad Company interest on 1925 loan		27,360 00
Paid interest on Stock Debt	$1,841,009 15	
By balance, December 31, 1886		70,889 62
	$1,841,009 15	$1,841,009 15

TABLE E—Continued.

Receipts on account of the Sinking Funds.

	Dr.	Cr.
Received from City Passenger Railway Companies, for Park Sinking Fund, as follows:		
Baltimore City Passenger Railway Company		$5,684 02
Citizens' Passenger Railway Company		3,121 42
North Baltimore Passenger Railway Company		3,548 18
York Road Passenger Railway Company		258 62
Baltimore Union Passenger Railway Company		1,176 58
Central Passenger Railway Company		1,360 44
People's Passenger Railway Company		
To amount paid Commissioners of Finance	$15,149 26	
	$15,149 26	$15,149 26

TABLE E—Continued.

Loans.

	Dr.	Cr.
Amount borrowed from sundry parties.....		$965,000 00
To amount paid to sundry parties.....	$865,000 00	
To balance, Dec. 31, 1886....	100,000 00	
	$965,000 00	$965,000 00

TABLE E—Continued.

General Interest.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$110,000 00
To amount received from City Collector for interest on arrears of taxes		122,390 18
By rebate from National Mechanics' Bank		291 67
To amount paid for interest on loans and accounts due by the M. & C. C. of Baltimore	$117,920 91	
To balance, Dec. 31, 1886	114,760 94	
	$232,681 85	$232,681 85

TABLE E—Continued.

Water Board.

	Dr.	Cr.
By balance, January 1, 1886.		$ 36,926 44
By amount received from water rents and other sources		603,195 70
By amount received from City Collector, account of water tax		49,789 23
To amount paid on warrants of the Water Board for interest on water loans	$472,630 00	
To salaries and other expenses	192,185 46	
To balance, December 31, 1886	25,095 91	
	$689,911 37	$689,911 37

TABLE E—Continued.

Dog Pound.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		1,000 00
To amount received for dead dogs		50 27
To amount received for dogs sold at auction		83 25
To amount received for dogs redeemed		6 75
To amount paid for dogs captured	$684 75	
To amount paid for feed and fuel.	15 15	
To amount paid for ground rent.	300 00	
To balance, December, 31, 1886.	140 37	
	$1,140 27	$1,140 27

TABLE E—Continued.

Public Schools.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$140,500 00
By public school salaries, Resolution No. 1, November 11, 1886		4,455 50
To amount paid on warrants of the Board of School Commissioners	$144,106 58	
To balance, December 31, 1886	848 92	
	$144,955 50	$144,955 50
Receipts from various sources:		
From the City Collector, account of tax levy		$565,703 57
From the State, city's proportion of State tax		156,814 69
From J. F. Plummer, executor		129 58
From H. M. Cowles, Secretary, for use of books, &c.		5,652 47
		$728,300 31

TABLE E—Continued.

Public Schools—Salaries.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$590,000 00
To amount paid on warrants of the School Commissioners	$585,544 50	
To amount transferred to Public Schools, general, as per Resolution No. 1, November 11, 1886	4,455 50	
	$590,000 00	$590,000 00

Manual Training School.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$9,000 00
To amount paid on warrants of the School Commissioners	$8,972 53	
To balance, December 31, 1886	27 47	
	$9,000 00	$9,000 00

TABLE E—Continued.

City Property.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$4,100 00
By sundry parties, for ground rents due the city		160 00
To amount of ground rents paid to sundry parties	$3,843 32	
To balance, December 31, 1886	416 68	
	$4,260 00	$4,260 00

TABLE E—Continued.

Special Appropriations.

	Dr.	Cr.
By appropriation, Resolution No. 24, favor of P. B. Wilson.	$ 400 00	$ 400 00
By Resolution, No. 32, favor of D. B. Phillips.....	50 00	50 00
By Resolution No. 16, favor of Chesapeake and Potomac Telephone Company.....	690 00	690 00
By Resolution No. 92, favor of E. H. Gans and Munroe.....	700 00	700 00
By Resolution No. 80, favor of I. Nevitt Steele.....	500 00	500 00
By Resolution No. 93, favor of Henry Neuman.....	25 84	25 84
By Resolution No. 22, favor of A. D. Sessions & Co.....	300 00	300 00
By Resolution No. 54, favor of W. F. Frick, administrator.	23 85	23 85
By Resolution No. 115, favor of A. Denmead, attorney.....	751 08	751 08
By Resolution No. 101, favor of W. C. Oppelt.....	15 61	15 61
By Resolution No. 174, favor of O. Patterson.....	138 95	138 95
By Resolution No. 178, favor of Maryland Pavement Co....	8,728 51	8,728 51
By Resolution No. 181, favor of Mary J. League.....	50 00	50 00
By Resolution No. 182, favor of William Stansbury.....	60 00	60 00
By Resolution No. 101, favor of J. P. Cosgrove.....	28 56	28 56
By Resolution No. 101, favor of J. S. Macher.....	.....	62 78
To balance, Dec. 31, 1886.....	62 78	.....
	$12,525 18	$12,525 18

TABLE E—Continued.

Patterson Park Extension.

	Dr.	Cr.
By balance January 1, 1886...		$4,328 20
By amount received from Park Commissioners, sale of sand, &c.....		16 20
To amount paid on warrants of the Public Park Commissioners.....	$3,989 37	
To balance, December 31, 1886.	355 03	
	$4,344 40	$4,344 40

TABLE E—Continued.

Water Loan, 1922.

	Dr.	Cr.
By balance, January 1, 1886...		$63,059 84
By amount received from Water Board, sale of sand, &c.		3,064 96
To amount paid on warrants of the Water Board	$65,518 80	
To balance, December 31, 1886.	606 00	
	$66,124 80	$66,124 80

TABLE E—Concluded.

State Tax on City Loans.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$20,000 00
By amount received from City Register, Commissioners of Finance, and Western Maryland Railroad, account of State tax on city loans		24,756 54
To amount paid State Treasurer	$50,081 19	
By balance, December 31, 1886.		5,324 65
	$50,081 19	$50,081 19

TABLE F.

Druid Hill and Patterson Parks.

	Dr.	Cr.
By balance January 1, 1886..		$ 487 55
By amount received from City Passenger Railway Companies, as follows:		
From Baltimore City Passenger Railway Company....		64,070 11
From Citizens' Passenger Railway Company.....		12,485 65
From York Road Passenger Railway Company.....		1,034 49
From North Baltimore Passenger Railway Company.		14,192 74
From Baltimore Union Passenger Railway Company.		4,706 34
From Central Passenger Railway Company.....		5,441 82
By amount received from Park Commissioners:		
On account of Druid Hill Park.		4,210 05
" " Patterson Park.		309 00
To amount paid on warrants of the Park Commissioners.	$101,242 29	
To balance, December 31, 1886.	5,695 46	
	$106,937 75	$106,937 75

TABLE F—Concluded.

Riverside Park.

	Dr.	Cr.
By appropriation, Ordinance 57, 1886		$3,500 00
By appropriation, Ordinance 57, 1886		3,770 62
By amount received from Public Park Commissioners		2 00
To amount paid on warrants of the Public Park Commissioners	$3,207 33	
To amount paid for ground-rent	3,770 62	
To balance, December 31, 1886	294 67	
	$7,272 62	$7,272 62

STATEMENT A.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
PUBLIC SQUARES.					
Federal Hill Park	$ 7,264 19	$ 6,908 18	$ 5 00		$ 361 01
Johnston Square	4,045 00	4,059 41	50 00		35 59
Harlem Square	9,000 00	8,999 91			09
Eutaw, first division	1,500 00	1,500 00			
Eutaw, second division	2,500 00	2,498 67			1 33
Mount Vernon Place	1,500 00	1,500 00			
Park Place	500 00	496 64			3 36
Broadway, first division	1,500 00	1,500 00			
Broadway, second division	3,000 00	2,999 84			16
Madison	2,700 00	2,699 85			15
Lafayette	1,500 00	1,260 21			239 79
Franklin	1,200 00	1,025 84			174 16
Jackson	1,000 00	999 55			45
Perkins' Spring	3,552 00	3,552 00			

Eastern Fountain	1,400 00	1,307 41	5 00	97 59
Ashland	100 00	99 84		16
Union	1,200 00	1,099 99		100 01
Baker Circle	400 00	400 00		
Mount Royal Avenue Squares	1,000 00	959 41		40 59
Frick's Triangle	1,000 00	443 18		556 82
Collington Square	1,000 00	996 41		3 59
Taney Place Square	300 00	299 67		33
HEALTH DEPARTMENT.				
General health	15,000 00	11,872 32		3,127 68
Salaries	31,700 00	31,692 22		7 78
Quarantine Hospital	20,000 00	19,548 02	4,918 79	5,370 77
Nuisances	15,000 00	14,870 37		129 63
Post-mortems	600 00	600 00		
Coroners	2,400 00	2,400 00		
HARBOR BOARD.				
Dredging, salaries, &c	50,000 00	47,584 92		2,415 08
Ice-boat *F. C. Latrobe*	15,000 00	14,993 94		6 06
Repairs of wharves	3,500 00	1,763 19		1,736 81
Repairs of City Dock	13,500 00	12,111 94		1,388 06
Bulkhead Little Hawkins' Point	10,000 00	9,996 50		3 50
Quarantine anchorage	6,000 00	5,980 21		19 79
Repairs to tug *Baltimore*	6,000 00	6,000 00		
	$235,861 19	$225,019 64	$4,978 79	$15,820 34

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
HARBOR BOARD—CONTINUED.					
Re-survey of harbor and maps..	$ 5,000 00	$ 3,956 23	$ 20 00	.....	$1,063 77
Dredging channel, Sp'g Gardens.	15,000 00	14,960 37	.....	.....	39 63
Wharf at Old Marine Hospital.	1,859 89	1,859 89	.....	.....	.....
CLEANING STREETS.					
Salaries, cleaning streets, &c...	248,888 00	248,599 42	2,299 68	.....	2,588 26
Removal of garbage	8,250 00	8,250 00	.....	.....	.....
Cleaning streets, special	7,500 00	7,020 17	.....	.....	479 83
CITY COLLECTOR.					
Salaries, incidental expenses, &c.	47,500 00	47,490 02	.....	.....	9 98
Appeal Tax Court.....	250 00	98 55	.....	.....	151 45
CITY POOR.					
Bayview Asylum.....	80,000 00	79,993 93	2,661 40	.....	2,667 47
House of Refuge.....	20,000 00	17,965 70	.....	.....	2,034 30
House of Reformation.....	10,000 00	10,000 00	.....	.....	.....

St. Mary's Industrial School...	20,000 00	20,000 00	.....	.....
Mount Hope Retreat.....	26,000 00	26,000 00	1,425 00	1,425 00
Maryland University.....	6,750 00	6,750 00	.....	.....
Washington University.....	6,750 00	6,750 00	.....	.....
Deaf and dumb, at Frederick..	500 00	444 11	.....	55 89
Widows & orphans, war of 1812.	300 00	200 00	.....	100 00
St. Mary's Female Orphan Asylum	2,000 00	1,166 64	.....	833 36
Industrial Home for Colored Girls	1,500 00	1,500 00	.....	.....
Maryland Hospital for Insane.	15,000 00	14,330 18	915 00	1,584 82
Female House of Refuge.....	3,000 00	3,000 00	.....	.....
St. Vincent's Infant Asylum...	5,000 00	4,166 67	.....	833 33
Home of the Friendless.....	2,100 00	2,100 00	.....	.....
Nursery and Child's Hospital..	1,500 00	1,250 00	.....	250 00
Boy's Home Society	3,000 00	3,000 00	.....	.....
St. Elizabeth's Colored Orphan Asylum	1,000 00	999 96	.....	04
Maryland General Hospital...	1,755 00	1,074 04	.....	680 96
Baltimore University Hospital.	1,755 00	387 02	.....	1,367 98
DISPENSARIES.				
Northeastern	1,000 00	1,000 00	.....	.....
Eastern	1,000 00	1,000 00	.....	.....
	$544,157 89	$535,312 90	$7,321 08	$16,166 07

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
DISPENSARIES—CONTINUED.					
Southern	$ 800 00	$ 800 00			
Baltimore General	600 00	600 00			
Baltimore Medical	600 00	600 00			
Northwestern	400 00	400 00			
Polyclinic	500 00	500 00			
Physicians and Surgeons	800 00	800 00			
Maryland University	800 00	800 00			
Woman's and Child's Hospital	500 00	500 00			
Baltimore University	800 00	800 00			
Homoepathic, free	600 00	600 00			
GEN'L SUPT. LAMPS' DEPARTMENT.					
Gasoline lamps, lamp pillars, &c.	22,500 00	22,445 52	$ 72 25		$ 126 73
Inspecting gas-meters			5,065 00		5,065 00
Gas and electric lights	242,643 15	199,149 72			43,493 43

Lamplighters' salaries	46,514 00	48,303 00		1,789 00	
General Sup't of Lamps	300 00	300 00			
INSPECTOR OF BUILDINGS' DEP'T.					
Salaries, incidentals, &c.	6,100 00	6,100 00			
Repairs of public schools	12,000 00	11,953 88			46 12
Repairs of city property	18,000 00	17,994 12			5 88
Cleaning cess-pools	2,000 00	1,490 25			509 75
Permits for sheds, signs, &c.		1,040 64	9,075 50		8,034 86
Building M. & F. Prim. No. 11.	9,854 35	9,854 35			
Building M. & F. Prim. No. 23.	9,464 42	9,458 07			6 35
Building Primary No. 29.	17,875 50	17,875 50			
Building M. & F. Gram. No. 15.	17,862 42	17,849 11			13 31
Building addition to City Jail.	4,062 07	4,062 07			
Fire-escape at Grammar School No. 15	400 00	400 00			
Repairs Hollins Hall	600 00	598 90			1 10
Atlas of city of Baltimore	100 00	25 00			75 00
Elevator in City Hall	5,000 00	4,140 35			859 65
Improving Engine House No. 5.	5,500 00	5,500 00			
New roof on Hanover Market.	2,500 00	2,485 09			14 91
Re-painting Maryland Institute and Market	1,000 00	1,000 00			
Painting Richmond Market	1,500 00	1,156 50			343 50
	$432,175 91	$389,582 07	$14,212 75	$1,789 00	$58,595 59

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
INSPECTOR OF BULD'GS—CONT'D.					
Re-building Broadway Market.	$ 11,000 00	$10,289 34			$ 710 66
Heating apparatus City Jail...	1,800 00	1,800 00			
Re-paving Fish Market at Centre Market.....	1,000 00	1,000 00			
Improvements Public School No. 11.....	1,200 00	1,200 00			
Foundation for Public School No. 29.....	3,500 00	3,500 00			
Observatory on Federal Hill Park.....	8,000 00	5,000 00			3,000 00
New Truck House, Northeast Baltimore.....	4,000 00	4,000 00			
New roof on Lexington Market.....	1,600 00	1,548 03			51 97

CITY COMMISSIONER'S DEP'T.					
Salaries, incidentals, &c.	$9,550 00	$9,533 64			$16 36
Vaults and areas			$1,060 40		1,060 40
Improvement of Jones' Falls		101,141 27	140,735 85		39,594 58
Repairs of paved streets	75,000 00	74,986 54	705 62		719 08
Repairs of unpaved streets	1,500 00	1,494 79			5 21
Repairs of bridges	7,500 00	7,369 51	9 00		139 49
Repairs of sewers	9,500 00	9,454 43	2,998 34		3,043 91
Improvement of Harford Run		121,444 50	172,150 00		50,705 50
Light-street bridge	2,000 00	1,803 65	22 53		218 88
Iron gutter-plates	7,150 00	7,138 46			11 54
Paving of city property	1,500 00	1,258 90			241 10
Flag and stepping-stones	10,000 00	9,995 78			4 22
Cross streets	10,000 00	9,229 15			770 85
Paving loan, 1920		24,429 42	26,201 78		1,772 36
New turn-table at Draw-bridge	3,200 00	3,200 00			
Painting Gay-street bridge	350 00	281 12			68 88
Painting Chase-street bridge	500 00	471 12			28 88
Painting Calvert-street bridge	1,000 00	1,000 00			
Painting St. Paul-street bridge	1,000 00	1,000 00			
Repairing floor of Calvert-street bridge	536 00	536 00			
	$172,386 00	$414,105 65	$343,883 52		$102,163 87

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
CITY COMMISSIONER'S DEP'T—CON'D					
Repairing floor of St. Paul-street bridge	$ 946 26	$ 946 26			
Chatsworth-run sewer	26,003 48	22,632 40	$ 2 50		$ 3,373 58
Low-street sewer	7,544 12	7,392 40	29 48		181 20
Culvert in Lafayette avenue	3,488 00	3,488 00			
Atlas of city of Baltimore	100 00	25 00			75 00
Shelling Franklin street	150 00	126 30			23 70
Central-avenue sewer	8,926 00	8,921 88	15 60		19 72
Division-street sewer	6,000 00	5,987 99	13 75		25 76
Inlets to sewer on S. Broadway	700 00	696 48			3 52
Shelling Eastern avenue	900 00	877 73			22 27
Necessity-alley sewer	13,668 60	11,076 63	6 20		2,598 17
Shelling East Baltimore, Fayette street, &c.	1,500 00	1,500 00			

Gutters, Chase and Valley streets	460	92	460	92								
Shelling Ferry Point road	200	00	199	07								93
Changing kerb, North end of Eutaw Place	300	00	196	50							103	50
Improving gutters, Charles and Read streets	950	00	948	43							1	57
Shelling Washington road and Bayard street	1,000	00	999	98								02
Lanvale-street sewer	10,000	00	7,547	67			23	33			2,475	66
Dredging Jones' Falls	20,000	00	20,000	00								
FIRE DEPARTMENT.												
Salaries, new apparatus, repairs, &c	200,250	00	200,249	59			332	00			332	41
New striker in City Hall dome.	2,500	00	2,500	00								
Lot in South Baltimore for hook and ladder company	2,000	00	2,000	00								
Lot in Northeast Baltimore for hook and ladder company	2,200	00	2,200	00								
New fire-alarm boxes	3,135	00	3,114	76							20	24
MISCELLANEOUS.												
Unclaimed damages, City Register, in trust							91	66			91	66
Mayoralty	2,000	00	1,395	04							604	96
	$314,922	38	$305,483	03			$511	52			$9,953	87

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
MISCELLANEOUS—CONTINUED.					
Auction duties			$7,103 46		$7,103 46
City seals			322 65		322 65
City Librarian	$ 7,500 00	$ 7,456 57	39 00		82 43
Tax sales	2,500 00	6,084 13	3,479 57	$104 56	
Refunded taxes	2,500 00	3,182 09		682 09	
Public printing	2,000 00	1,818 84	208 00		389 16
Elections	14,087 16	13,863 85	25		223 56
Court-house	5,948 00	5,947 05			95
Masonic Hall	3,266 00	3,261 46			4 54
General expense	1,500 00	1,051 48			448 52
Commissioners Opening Streets	200 00	116 64			83 36
Salaries	71,169 60	71,151 77			17 83
Superintendent City Hall	18,862 50	18,442 46	25 50		445 54
Transportation to H. of Correc'n.	400 00	236 90			163 10

Transportation of the poor	1,000 00	1,003 87	45 40		41 53
Maryland Institute	3,000 00	3,000 00			
Insurance, Bayview Asylum, &c.	3,030 00	2,685 00			345 00
Ringing Mechanics' bells	200 00	200 00			
Winding Maryland Institute clock	75 00	75 00			
New fire-plugs, fountains, &c.	4,000 00	4,000 00			
Enoch Pratt Free Library	50,000 00	50,000 00			
Suspense account	1,627 50				1,627 50
Tax Commission		769 21		769 21	
Ice-boat *Maryland*	10,000 00	10,000 00			
Purchase of Bolton property	40,000 00	40,000 00			
Public meeting	250 00	252 92		2 92	
Removing Armistead Monument	500 00	326 50			173 50
Re-indexing dockets Court of Common Pleas	2,000 00	2,000 00			
Manual Labor School	1,000 00	1,000 00			
Copying Dockets of the Circuit Court	1,500 00	1,500 00			
Turnpike dividends			338 65		338 65
Changing grade Fulton avenue		616 97		616 97	
Shelling Warner and Dock Sts.	300 00	270 66			29 34
Conscience fund			$ 16 00		$ 16 00
	$248,415 76	$250,313 37	$11,562 48	$2,175 75	$11,840 62

STATEMENT A—Concluded.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
MISCELLANEOUS—CONTINUED.					
Water pipe, Hollins street	$300 00	$300 00			
Intestate estates		439 50	502 21		62 71
Permanent water supply			3,834 92		3,834 92
Removing fence, Bolton prop'ty.	300 00	294 64			5 36
	$600 00	$1,034 14	$4,353 13		$3,918 99

STATEMENT B.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening Patapsco street	$ 912 34	$ 497 25	$ 404 06		$ 819 15
Opening Wolfe street		10 00		$ 10 00	
Opening Oliver street	115 24	3,565 20	1,575 00	1,874 96	
Opening Hoffman street	4,415 45	11,247 58	7,025 07		192 94
Opening Belt street	1,664 00	3,330 00	1,705 90		39 90
Opening Bethel street	317 80	1,000 00	859 66		177 46
Opening McHenry street		2 00		2 00	
Opening North avenue, Charles street to Greenmount avenue		10,176 04		10,176 04	
Opening Calhoun street		267 40		267 40	
Opening Wilkins' avenue			210 00		210 00
Opening Mount street		1 00		1 00	
Opening Cannon street	2,296 26	3,711 26	1,665 00		250 00
Opening Preston street			2,849 66		2,849 66
Opening Monroe street		235 57	299 17		63 60

Opening Gold street	10,321 34	16,753 68	6,647 80		215 46
Opening Chester street	45,224 91	57,264 39	12,712 98		673 50
Opening East street		225 18		225 18	
Opening Mt. Royal avenue		1,254 65		1,254 65	
Opening Patterson Park avenue		5,750 00	2,730 00	3,020 00	
Opening Carey street		1,529 00	1,522 50	6 50	
Opening Russell street		2 00		2 00	
Opening Patapsco alley		2 00		2 00	
Opening Kirby's lane		2 00		2 00	
Opening Beverlin street		2 00		2 00	
Opening Clarkson alley		80 45		80 45	
Opening an alley 8 feet 8½ inches wide	171 65	107 25			64 40
Opening John street		588 16		588 16	
Opening Clement street	4,920 31		768 61		5,688 92
Opening Federal street		1 00		1 00	
Opening Hope street		2 00		2 00	
Opening West street		113 38		113 38	
Widening Orleans street		8 50	13,010 84		13,002 34
Opening Scott street		256 46		256 46	
Opening North avenue, westwardly	30,106 25	62,335 08	27,364 10	4,864 73	
Opening Ostend street		434 19		434 19	
	$100,465 55	$180,754 67	$81,350 35	$23,186 70	$24,247 33

STATEMENT B—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening Mosher street	$2,459 26	$4,126 60	$1,589 17	$ 78 17	
Opening Washington street		520 54		520 54	
Opening Henry street		2 00		2 00	
Opening Mulberry street		455 86		455 86	
Opening Stockholm street		200 72		200 72	
Opening Etting street	2,842 40	5,976 95	3,280 00		$145 45
Opening Box alley		318 83		318 83	
Opening Cathedral street		389 26	1 00	388 26	
Opening Beason street		10 80		10 80	
Opening Douglas street		2,786 21		2,786 21	
Opening Paluski street		464 05		464 05	
Opening Payson street		448 48		448 48	
Opening Nanticoke street		120 95		120 95	
Opening forty-feet street		74 90		74 90	
Opening Wicomico street		142 90		142 90	

Opening Fulton avenue	237 09		237 09	
Opening Harlem avenue	315 57		315 57	
Opening Saratoga street	328 09		328 09	
	$105,767 21	$197,674 47	$86,220 52	$30,079 52	$24,392 78

TABLE G.

Amount paid for paving streets, also the amount received from the City Collector, payments by sundry parties.

	Dr.	Cr.
Paving Plum alley	$ 118 74	
" Goldsmith alley	41 87	
" Warren avenue	101 02	$ 71 54
" Robert street	63 80	173 50
" Broadway	24,130 18	
" Biddle street	240 21	
" Hanover street		5,454 11
" South Charles street		1,035 61
" Sewell street		25 70
" Dolphin street		4,605 79
" Monroe street	31 12	42 81
" Harlem avenue		4,371 10
" Mount street	990 05	
" Eden street	1,194 58	
" Townsend street	1,055 61	611 67
" North street		26 80
" Cuba street	193 07	
" North Charles street		436 92
" China street	153 59	30 89
" West Baltimore street		3,511 54
" Eutaw street		4,197 03
" Madison avenue		10,868 07
" Creek alley	11 78	
" Lexington street		777 49
" Little Courtland street	19 10	
Amounts carried forward	$28,344 72	$36,240 57

	Dr.	Cr.
Amounts brought forward.	$28,344 72	$36,240 57
Paving East Baltimore street..		4,354 66
" Calhoun street.....	1,148 70	601 77
" Luzerne street.....	119 85	
" Cathedral street.....	135 05	
" Burgundy alley.....	138 19	113 12
" Chappel street.....		12 84
" North avenue.....	4,933 75	10,599 24
" Madison street.....		2,363 23
" Chase street.....	49 22	
" McHenry street.....	23 31	
" German street.....		9,982 00
" Liberty street.....		2,183 06
" a twenty-feet alley.....	19 39	
" Court-house lane.....		63 52
" Franklin street.....		5,603 07
" Mosher street.....	1,239 74	1,012 23
" Tenant street.....	477 83	503 37
" Wolfe street.....	194 94	263 75
" Belt street.....	108 92	
" Johnson street.....	474 09	
" Bruce street.....	579 02	34 73
" East Fayette street....	3,936 67	
" Hunter alley.....	50 66	
" Cross street.....	870 10	876 36
" Gold street.....	1,438 00	94
" Saratoga street.....		1,762 43
" interest.....		2,386 72
" balance, Dec. 31, 1886..	$34,675 43	
	$78,957 61	$78,957 61

THE THIRD ANNUAL REPORT

OF THE

BOARD OF FIRE COMMISSIONERS,

AND

TWENTY-EIGHTH ANNUAL REPORT

OF THE

FIRE DEPARTMENT

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1886.

Officers of the Fire Department.

FIRE COMMISSIONERS:

SAMUEL KIRK, *President;*

JOHN F. HUNTER, J. ALEXANDER PRESTON.

SECRETARY AND CLERK:

DAVID H. LUCCHESI.

CHIEF ENGINEER:

JOHN M. HENNICK.

ASSISTANT ENGINEERS:

GEORGE W. ELLENDER, THOS. F. MURPHY.

SUPERINTENDENT OF POLICE AND FIRE ALARM TELEGRAPH:

CHARLES J. McALEESE.

SUPERINTENDENT OF MACHINERY:

GEORGE W. LINSENMEYER.

REPORT.

OFFICE OF BOARD OF FIRE COMMISSIONERS—CITY HALL.

BALTIMORE, January 1, 1887.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

The undersigned, Commissioners, respectfully submit to your consideration their report for the year ending December 31, 1886.

There has been no increase in the number of the members of this Department since our last report, the whole force being still composed of thirteen engine companies and four truck companies.

During the past year two lots have been purchased by the city, upon which to erect two houses, to be used by two truck companies, to be hereafter organized, and to be known as Hook and Ladder Companies Nos. 5 and 6. One of these lots is located on Aisquith street, near Oliver street, and the other on the northeast corner of Hanover and Ostend streets. The lot on Aisquith street has been improved by a suitable building, and a new truck company will be organized for it as soon as the proper authority shall

be given the Commissioners by the city. The addition of a truck and two new engines has been made to the machinery of the Department—all of which is in good and effective condition.

During the year, 8,400 feet of new hose has been purchased, and 800 feet of fabric hose has been rejacketed and rendered nearly as good as new. The Department has at the present time 27,940 feet of hose fit for service.

There are in the Department at the present time seventy-six horses, with swinging harness at all the houses. Both horses and harness are in good condition and of the best quality.

The increase of buildings in the city, (there having been erected 18,364 new houses since the organization of the last fire company), makes it imperative upon the Fire Commissioners to again call the attention of your honorable body to the necessity of increased facilities for extinguishing fires. While the Commissioners believe that, for the size of it, the Fire Department of Baltimore is as efficient, if not more so, than any in the country, yet it has cost comparatively less than any other fire department in this country. The total appropriation for the Fire Department of this city for the past year, (and the Department kept within the appropriation), was $197,850.00; whilst that for the city of Boston was more than three times that amount.

During the past year the Department lost six of its members by death. Three died from natural causes; the other three were killed in discharge of their duties

as firemen. On the 17th of November, whilst the warehouse at No. 92 Camden street was burning, Francis D. Kerr, Charles Grund, and Henry Ryan, whilst engaged in extinguishing the fire, were thrown from a ladder and died from the results of the fall.

The Commissioners desire to express the feeling of the whole force in deploring the loss of these heroic men who lost their lives whilst nobly serving the city.

The number of fires in Baltimore city in 1886 amounted to four hundred and thirty-eight, whilst the losses aggregated $896,527.12.

In 1885 there were four hundred and seventy-four fires, and the losses amounted to $441,743.06.

The undersigned submit with this report the suggestions and reports of the Chief Engineer of the Department and the Superintendent of Police and Fire-Alarm Telegraph.

The Commissioners with this report file Exhibits A, B, C, D, and E.

Exhibit A shows the amount appropriated by the Mayor and City Council of Baltimore for the Department in 1886, and the expenditures for that period.

Exhibit B shows the appropriation for disabled firemen in 1886, two lots of ground, bell striker in dome of City Hall, and eighteen new fire-alarm boxes, and its disbursement.

Exhibit C shows the general receipts of the Department for 1886.

Exhibit D shows the general expenditures for 1886, and Exhibit E the general statement for 1886.

The Commissioners append herewith the estimate of the financial requirements of the Department for 1887.

ESTIMATE FOR 1887.

Salaries	$133,000 00
Apparatus	7,700 00
Apparatus repairs	4,000 00
Accident	2,000 00
Feed	10,000 00
Fuel	2,500 00
Furniture	700 00
Harness	500 00
Horse-shoeing	1,300 00
Hose and sucking sleeves	5,500 00
Horses	3,000 00
Ground rent	704 25
Gas	800 00
Oils, grease, &c	1,500 00
Office expenses, including printing report and Messenger's salary	1,200 00
Rent of telephones	900 00
Miscellaneous	1,000 00
Washing	1,500 00
Insurance	1,100 00
Sick account	1,500 00
Disabled firemen	2,400 00
Telegraph	23,650 00
	$206,454 25

SAMUEL KIRK, *President*,
JOHN F. HUNTER,
J. ALEXANDER PRESTON,
Fire Commissioners.

EXHIBITS.

EXHIBIT A.

Appropriation.

Amount appropriated by Mayor and City Council for the year 1886	$197,850	00
Amount drawn from City Comptroller	197,849	59
Balance undrawn	$	41

EXHIBIT B.

Special Appropriations.

Amount appropriated by Mayor and City Council for six (6) disabled firemen, Resolution No. 57	$2,400	00
Amount drawn from City Comptroller	2,400	00
Amount appropriated by Mayor and City Council for eighteen (18) fire alarm boxes, viz.: 49, 185, 217, 256, 347, 348, 354, 356, 357, 358, 383, 422, 473, 525, 526, 535, 543, 624, Resolution No. 120	$3,135	00
Amount drawn from City Comptroller	3,114	76
Balance undrawn	$20	24

EXHIBIT B—Concluded.

Amount appropriated by Mayor and City Council for placing new striking apparatus in the dome of the City Hall, Resolution No. 25	$2,500 00
Amount drawn from City Comptroller	2,500 00
Amount appropriated by Mayor and City Council for "two lots of ground" on which to erect "engine" or "truck" houses, Resolutions Nos. 39 and 68:	
Lot of ground, Hanover and Ostend streets	$2,000 00
Amount drawn from City Comptroller	2,000 00
Lot of ground, Aisquith street, near Oliver	$2,200 00
Amount drawn from City Comptroller	2,200 00

EXHIBIT C.

General Receipts.

Balance on hand—store-room stock—December 31, 1885	$	148 45
Amount drawn from City Comptroller for the year 1886		197,849 59
Amount received from sale of manure and old material		332 00
Amount received from Insurance Company for injured members		1,731 93
Total	$	200,061 97

EXHIBIT D.

General Expenditures.

Showing the amount expended on each account for the year ending December 31, 1886.

Salaries	$132,691 08
Apparatus and repairs	14,315 64
Accident	2,170 69
Feed	7,337 66
Fuel	2,079 46
Furniture	430 97
Harness	516 00
Horse-shoeing	1,401 25
Hose and sucking sleeves	7,811 31
Horses	4,465 00
Ground rent	704 25
Gas	628 20
Oils, grease, &c	1,381 09
Office expenses	892 92
Telephones	804 00
Miscellaneous	1,020 40
Washing	1,385 63
Insurance	1,087 50
Fire-Alarm Telegraph	16,511 93
Sick members	218 03
	$197,853 04
Insurance indemnity paid to members	1,731 93
	$199,584 97

EXHIBIT E.

General Statement.

Receipts from all sources		$200,061 97
Expenditures	$199,584 97	
Amount paid to City Register	332 00	
	$199,916 97	
Balance, store-room stock, December 31, 1886	145 00	
		$200,061 97

REPORT

OF THE

CHIEF ENGINEER.

REPORT.

OFFICE OF CHIEF ENGINEER, BALTIMORE CITY FIRE DEPARTMENT,

BALTIMORE, January 1, 1887.

To the Honorable Board of Fire Commissioners:

GENTLEMEN:

I have the honor to herewith submit to you the annual report of the Fire Department for the year ending December 31, 1886, which is the twenty-eight report of the paid Fire Department which contains a record of the operations of the Department for the past year, with recommendations that, in my judgment, are necessary, to further increase the efficiency of this branch of the city government.

ORGANIZATION.

Chief Engineer, John M. Hennick—Headquarters, City Hall, and No. 2 Engine House.

ASSISTANT ENGINEERS.

George W. Ellender—Headquarters, No. 6 Engine House.

Thomas F. Murphy—Headquarters, No. 4 Truck House.

SUPERINTENDENT OF MACHINERY.

George W. Linsenmyer—Headquarters, No. 12 Engine House.

FORCE AND PAY ROLL.

1	Chief Engineer	$2,000 per annum.
2	Assistant Engineers	1,400 " "
1	Superintendent of Apparatus	1,400 " "

PERMANENT FORCE.

13	Enginemen, at the rate of	$1,100 per annum.
13	Assistant Enginemen, at the rate of	900 " "
17	Drivers, at the rate of	900 " "
8	Tillermen, at the rate of	900 " "
22	Firemen, at the rate of	800 " "
12	Laddermen, at the rate of	800 " "

CALL FORCE.

17	Captains, at the rate of	$500 per annum.
74	Firemen, at the rate of	400 " "
20	Laddermen, at the rate of	400 " "
1	Superintendent of horses	500 " "

Making the working force 201 members.

There are six disabled members who are pensioned, receiving each $400 per annum.

SUBSTITUTES.

There are five substitutes to each company. These give their services to the Department for no compen-

sation, except when on duty for regular members. They are in line for promotion.

LOCATION OF STEAM FIRE ENGINES AND HOOK AND LADDER COMPANIES.

Engine Company No. 1, North Paca street, between Fayette and Lexington.

Engine Company No. 2, West Barre street, between Sharp and Howard.

Engine Company No. 3, East Lombard street, between High and Exeter.

Engine Company No. 4, East Lexington street, between Calvert and North.

Engine Company No. 5, South Ann street, between Pratt and Gough.

Engine Company No. 6, corner of Gay and Ensor streets.

Engine Company No. 7, corner of Eutaw street and Druid Hill avenue.

Engine Company No. 8, West Mulberry street, between Schroeder and Oregon.

Engine Company No. 9, East Madison street, near Broadway.

Engine Company No. 10, Columbia avenue, near Poppleton street.

Engine Company No. 11, Patterson Park and Eastern avenues.

Engine Company No. 12, corner of Fort avenue and Johnston street.

Engine Company, No. 13, corner of Myrtle avenue and Fremont street.

Hook and Ladder Company No. 1, Harrison street, between Baltimore and Fayette.

Hook and Ladder Company No. 2, North Paca street, between Fayette and Lexington.

Hook and Ladder Company No. 3, South Ann street, between Pratt and Gough.

Hook and Ladder Company No. 4, West Biddle street, near Pennsylvania avenue.

Hook and Ladder Company No. 5, Aisquith street, between Hoffman and Oliver.

Hook and Ladder Company No. 6, corner of Hanover and Ostend streets.

Deaths, Resignations, Dismissals, Appointments, &c.

Companies.	Deaths.	Resignations.	Dismissals.	Appointments.	Transfers.	Promotions.
Engine Company No. 1	1	2	....	2	1	2
Engine Company No. 2	2	1	....	2	1	1
Engine Company No. 3	....	1	....	....	....	2
Engine Company No. 4	....	....	....	....	....	....
Engine Company No. 5	....	1	....	1	....	....
Engine Company No. 6	1	1	....	2	....	....
Engine Company No. 7	2	1	....	2	1	1
Engine Company No. 8	....	....	....	....	1	....
Engine Company No. 9	....	....	....	....	....	....
Engine Company No. 10	....	....	1	1	....	....
Engine Company No. 11	....	....	....	....	....	....
Engine Company No. 12	....	1	1	2	....	2
Engine Company No. 13	....	....	....	....	....	....
Hook and Ladder Co. No. 1	....	....	....	....	....	1
Hook and Ladder Co. No. 2	....	....	....	....	1	1
Hook and Ladder Co. No. 3	....	....	....	1	....	....
Hook and Ladder Co. No. 4	....	2	1	2	4	1
	6	10	3	15	9	11

DESCRIPTION OF STEAM FIRE ENGINES.

No.	Location.	Built by.	Put in Service.	Rebuilt by.	Put in Service.	Weight Drawn to Fires.	Cylinder.		Pump.		Gallons per Minute.	Number of Men.		
							Diameter.	Stroke	Diameter.	Stroke		Permanent.	Call.	Total.
1.	North Paca near Fayette street	Ives & Bro.	March, 1874.	La France Co.	April 11, 1884.	9,420	8½	10	4¾	10	900	5	7	12.
2.	Barre near Sharp street	Ives & Bro.	March 6, 1867.	La France Co.	September 2, 1884.	8,150	9½	12	5½	12	600	5	7	12.
3.	Lombard near Exeter street	Ives & Bro.	February 3, 1874.	Clapp & Jones.	December 29, 1884.	9,400	8½	10	5	10	1,020	5	7	12.
4.	Lexington near North street	Ives & Bro.	November 20, 1873.	La France Co.	March 13, 1883.	9,400	8½	10	4¾	10	900	5	7	12.
5.	Ann near Gough street	Clapp & Jones.	December 16, 1885.			6,700	6¼	7	3¾	7	600	5	7	12.
6.	Gay and Ensor streets	La France Co.	December 18, 1884.			7,400		Rotary.			500	5	6	11.
7.	Eutaw street and Druid Hill avenue	Reany & Neafil.	September 26, 1858.	Clapp & Jones.	November 26, 1883.	6,900	9	12	5	12	450	5	6	11.
8.	Mulberry near Schroeder street	Poole & Hunt.	July 2, 1868.	Ives & Bro.	September 9, 1878.	6,800	11	8	4½	8	240	4	7	11.
9.	Madison street near Broadway	La France Co.	October 6, 1886.			7,480	7¼	8	4⅜	8	650	5	6	11.
10.	Columbia avenue near Poppleton street	Clapp & Jones.	September 26, 1886.			7,160	7½	7	4⅜	7	650	4	7	11.
11.	Eastern and Patterson Park avenues	Poole & Hunt.	August 9, 1868.	Ives & Bro.	November 6, 1875.	6,430	11	8	4½	8	240	4	7	11.
12.	Fort avenue and Johnston street	Clapp & Jones.	August 6, 1885.			6,825	6¼	7	3¾	7	600	5	6	11.
13.	Fremont street and Myrtle avenue	Ives & Bro.	March 1, 1876.			7,800	9½	12	5½	12	280	4	7	11.

ENGINES IN RESERVE.

Names.	Located.	Builders.	When Built.	Rebuilt.	When Rebuilt.	Weight.	Cylinder.		Pump.		Gallons per Minute.
							Diameter.	Stroke.	Diameter.	Stroke.	
A., Formerly No. 5....	No. 4 Engine House...	Ives & Bro.	1864.	Ives & Bro.	1879.	8,600	11	12	4⅜	12	340
B., Formerly No. 6.....	No. 11 Engine House...	Poole & Hunt.	1864.	.....	.....	7,000	9	12	5	12	220
C., Formerly No. 9.....	No. 9 Engine House...	Ives & Bro.	1871.	.....	.....	7,800	12	12	5	12	340
D., Formerly No. 10....	No. 13 Engine House...	Hydraulic Co., Philadelphia.	1866.	Ives & Bro.	1874.	6,600	8	12	4	12	280
E., Baltimore.....	No. 4 Truck House...	Poole & Hunt.	1859.	Ives & Bro.	1878.	7,600	11	12	4⅜	12	340

HOOK AND LADDER TRUCKS.

Number.	Location.	Builders.	Put in Service.	Weight As Drawn to Fires.	Number of Ladders.	Number of Men.		
						Permanent.	Call.	Total.
A—No. 1.....	Harrison street.....	La France Company.	March 5, 1883.	8,380	10	6	6	12
B—No. 2.....	Paca near Fayette street.....	La France Company.	March 5, 1883.	8,420	10	6	6	12
C—No. 3.....	Ann near Gough street.....	John A. Ives & Bro.	November 16, 1875.	5,600	10	6	6	12
D—No. 4.....	Biddle street, near Druid Hill ave.	La France Company.	October 1, 1884.	7,250	10	6	6	12
E—No. 5.....	Aisquith near Oliver street.....	La France Company.	December 20, 1886.	6,900	10	..	..	..
F—Reserve.....	No. 4 Truck House.....	La France Company.	May 5, 1881.	8,600	10	..	..	..
G—Reserve.....	.....	John A. Ives & Bro.	February 8, 1859.	5,650	10	..	..	..

Nos. 2, 7, 8, 11, and 13 Engines, in regular service, and all the Engines in reserve have single pumps.

HOSE CARRIAGES.

There are twenty-six (26) hose carriages in service, each engine company having two. They are all four-wheel carriages, and built by the following parties: Eight by Graff & Co.; six by Ives & Bro.; five by William Mulmyer; three at Trenton, New Jersey; one by Thomas Norwood, and two by Renshaw & Co.

FUEL WAGONS.

There are four wagons that are used to carry fuel to supply the engines when large fires occur. Two of the wagons will carry two tons of coal at a load, and the other two wagons will only carry half a ton at a load. They are kept at Nos. 1 and 12 Engine and Nos. 1 and 3 Hook and Ladder Companies' houses.

HEATERS FOR ENGINES.

There are eleven (11) heaters in use. All the companies have them, except 10 and 13 Engine Companies.

REPAIRS TO APPARATUS.

Extensive repairs were made on Nos. 2 and 8 Engines, and all necessary repairing was done to the apparatus to keep it in first-class condition and capable of performing good service.

Extra axles, to be kept in reserve, were made for the use of Nos. 2, 3, 5, 7, and 12 Engines, and Nos. 1 and 2 Hayes Trucks.

New wheels (Sarven patent) were placed on No. 3 Hose Carriage and No. 7 Engine, and a set of new wheels (Warner's patent) were placed on No. 2 Hose Carriage.

APPARATUS REQUIRED.

I would respectfully recommend that the following additional apparatus be purchased during the coming year:

A fourth size steam fire engine, with a capacity of not less than four hundred gallons of water per minute, and to weigh not more than 5,300 pounds when received from the builders, and that it be placed in service at No. 13 Engine Company, as they have many steep grades to encounter when responding to boxes in their district. The engine they now use can be kept in reserve. It weighs 8,000 pounds, and has a capacity of less than three hundred gallons of water per minute; and that the old engine "Baltimore," built by Poole & Hunt for this Department in 1859, be given in exchange.

A second size Hayes Extension Ladder Truck, with all ladders and necessary equipments, similar to the one purchased for No. 5 Hook and Ladder Company, to be placed in service at No. 3 Hook and Ladder Company; and that the old truck, with banked ladders, that they now have in service, be disposed of.

Three single-tank chemical engines, of one hundred (100) gallons capacity, to be placed in service at Nos. 1, 4, and 5 Hook and Ladder Companies.

Two four-wheel hose carriages, similar to those recently built for Nos. 4 and 6 Engine Companies.

Two heaters to keep steam on the engines.

Six five-gallon fire extinguishers, to replace the same number that are worn out.

HOUSES.

All the houses occupied by the Department are in good condition, and have been properly cared for by the Inspector of Public Buildings, all necessary repairing having been done.

No. 1 *Engine House.*

The grade of the floor of the engine room was changed, so as the fall would be towards the front of the building, making it easier for the horses to start the apparatus, a new floor put down, and asphalt block pavement.

No. 8 *Engine House.*

New floor in engine room, and new front doors.

No. 10 *Engine House.*

New floor in engine room, and new front doors.

No. 2 *Truck House.*

New asphalt block pavement put down.

No. 5 *Engine and No.* 3 *Hook and Ladder Companies' House.*

The building occupied by these companies has been greatly improved. The stable, where the horses stood

sideways to the apparatus, was taken down and a new building erected. It is two stories high, twenty-eight feet wide, and sixty-two feet deep, making the entire building one hundred and twenty-eight feet deep. The sleeping rooms are in the second story, the Truck Company having the front building and the Engine Company the new building, which is twenty-five by thirty-seven feet. The bath rooms and loft for horse feed are at the rear end of second story. There are four sliding-poles, besides the stairway, to facilitate the members in getting down from the sleeping rooms. In the first story the apparatus in service stands in a line—hook and ladder truck, hose carriage, and engine. The reserve hose carriage and fuel wagon are placed on the side of the room. There are seven stalls for the horses. They are arranged on each side of the apparatus, the front of the stalls being on a line with the front wheels of the apparatus where the horses work. The heater for the engine stands in a separate building in the rear. The building is furnished with all the modern appliances. The alterations in the old building and the addition built to it has made this one of the most convenient houses in the Department.

No. 3 Engine Company.

I would recommend that a piece of ground in rear of the engine house be purchased, so as to have an outlet from the back part of the engine house to the alley, and that the horse-stalls be placed in the engine-room on each side of the apparatus, similar to those at No. 4 Engine Company.

No. 2 Engine Company.

Would also recommend that the horse-stalls be altered, so as to make them of equal width. As they are now, two of the stalls are so wide that the horses turn around in them, and one is so small (narrow) that the horse I use has to stand up all night.

NEW COMPANIES.

In compliance with the resolution passed by the City Council, building sites have been purchased to build houses on to accommodate Nos. 5 and 6 Hook and Ladder Companies. The lot for No. 5 is located on Aisquith, near Hoffman street. It is twenty-two (22) feet front, and one hundred and sixty-six (166) feet deep, running back to an alley twenty (20) feet wide. This house has been built; it is two stories high, and one hundred and twenty (120) feet deep. The front doors are arranged to drop in the cellar, instead of opening. The stalls for the horses are on each side of where the apparatus stands. It has two sliding-poles, and all other improvements.

The lot for No. 6 is located on the northeast corner of Hanover and Ostend streets. It is twenty-five (25) feet front, and one hundred and twenty-three (123) feet deep. The appropriation has not been made to build this house.

I would earnestly urge that these companies be organized as soon as possible, and the apparatus placed in service; and that these companies be composed of eight (8) permanent members, one of whom shall be the captain; as a company having this number of permanent members will not cost as much as the hook and

ladder companies that are composed of six call and six permanent members, and will be more efficient.

HORSES.

The horse account for the past year has been large, as several horses were disabled by accidents, which rendered them unfit for the service, and two (2) horses died. Twenty-four (24) horses were purchased, and twenty-one (21) horses were given in exchange, making the number of horses now in service seventy-six (76).

They are distributed in the following manner:

Thirteen Engine Companies, four horses to each company	52
Four Hook and Ladder Companies, three horses to each company	12
Used by officers of Fire Department	6
Used by Fire Alarm and Police Telegraph	3
Supply Wagon of Fire Department	1
In reserve	2
Total	76

The reserve horses of the Hook and Ladder Companies have to be used by the Engine Companies when their horses are being shod, or are out of service, sick, or disabled. There should be four more horses kept in reserve, so as to have them ready to take the places of other horses when needed. As it is now, horses are frequently kept in service when it would be economy to lay them up to be rested.

HARNESS.

All the companies have the swinging harness, which is in first-class condition. I would recommend that

four sets of single swinging harness should be procured for the horses that are used by the officers of the Department. The harness now in use, being kept on the horses, requires frequent repairing and renewing.

HOSE.

There was purchased during the past year 8,700 feet of new hose, with 144 sets of Allen & Gilmour's patent couplings; 6,700 feet of which was four-ply gum hose of the following brands: New York Belting and Packing Company's test hose, Maltese Cross and White Anchor hose; 2,000 feet of fabric hose, Eureka and double-jacket cable hose. Eight hundred feet of double-jacket fabric hose had the outside covering renewed. There is now in service 27,940 feet of good reliable hose; 14,550 feet of which is gum hose, and 13,390 feet of fabric hose. There is also in service 4,750 feet of hose (gum and fabric) that is not reliable to stand more than 170 pounds pressure. Seven thousand one hundred feet of hose—5,150 feet of gum and 1,950 feet of fabric hose—that would not stand the required pressure was condemned and taken out of service. Included in this amount is 1,600 feet that was burned and chafed at the fire on West Pratt street—burning of five large wood-working establishments known as Mill Block. A great deal of the hose destroyed at this fire was new. Most of the other gum hose condemned was the Empire brand that was purchased twenty months ago, which has nearly all bursted.

Six thousand feet of new hose—3,000 feet of fabric hose and 3,000 feet of gum hose—will be required during the coming year 1887.

HOSE.

Companies.	Reliable Gum Hose.	Medium Gum Hose.	Reliable Fabric Hose.	Medium Fabric Hose.	Condemned Gum Hose.	Condemned Fabric Hose.
	FEET.	FEET.	FEET.	FEET.	FEET.	FEET.
Engine Company, No. 1	600	700	2,000	....	350	300
Engine Company, No. 2	2,200	100	....	....	700	....
Engine Company, No. 3	1,400	...	900	250	450	....
Engine Company, No. 4	100	....	3,300	....	300	300
Engine Company, No. 5	800	500	800	200	200	100
Engine Company, No. 6	600	500	1,500	200	300	200
Engine Company, No. 7	850	....	1,050	250	500	200
Engine Company, No. 8	1,200	650	500	....	300	400
Engine Company, No. 9	1,600	....	800	150	350	100
Engine Company, No. 10	1,800	350	....	....	650	....
Engine Company, No. 11	1,800	....	500	....	150	50
Engine Company, No. 12	1,600	400	140	....	700	....
Engine Company, No. 13	....	500	1,900	....	200	300
	14,550	3,700	13,390	1,050	5,150	1,950

NEW APPARATUS.

The apparatus of the Department has been increased by the addition of two double, vertical, crane-neck, piston fire engines. One of the engines was built by the La France Company, and was placed in service at No. 9 Engine Company. The other engine was built by the Clapp & Jones Company, and was placed in service at No. 10 Engine Company.

Two old engines—one an Amoskeag, that was built in 1863, and purchased by this Department in 1880, and the other a Fulton pump-engine, built by Poole & Hunt for this Department in 1859—were given in exchange.

A second size Hayes truck, with extension ladder, and all other ladders and equipments, such as are carried on hook and ladder trucks of this class, including two five-gallon Holloway fire extinguishers, was purchased from the La France Company. It will be placed in service at No. 5 Hook and Ladder Company. Five new five-gallon Holloway fire extinguishers were placed in service; two at No. 3 Hook and Ladder Company, and one each to Nos. 1, 2, and 3 Engine Companies. They replaced five that were worn out. Three four-and-a-half-inch two-way accommodations, with two leads four-and-a-half inches in diameter, to attach the sucking sleeves of the engines to, were made, and placed in service at Nos. 2, 6, and 7 Engine Companies. They are to be used on fire-plugs that are attached to large mains, where a sufficient quantity of water can be obtained to supply two engines, each of five hundred (500) gallons capacity, and locate them near the fire, so as to dispense with using long lines of hose and the consequent loss of power by friction.

LARGE STREAMS.

Four three-inch two-way siameses, with three-inch hose, have been placed in service at Nos. 1, 2, 3, and 4 Engine Companies. They will be used when large streams are required.

CHEMICAL FIRE EXTINGUISHERS.

There are in service thirty-eight (38) chemical fire extinguishers, thirty-four (34) of five gallons, and four (4) of fifteen gallons capacity. They are carried on the hook and ladder trucks and hose carriages, and have been used at fires during the past year ten hundred and fourteen (1,014) times, and have discharged eight thousand five hundred and fifty-eight (8,558) gallons of the solution—sulphuric acid and bicarbonate soda. A great many fires were extinguished by using them.

LIFE SAVING AT FIRES.

The longest ladder on the Hayes truck is eighty-five feet; and as a number of buildings have been erected whose upper windows are beyond the reach of these ladders, I would recommend that a set of Pompier Corps ladders, with a suitable wagon to carry them, be purchased. These ladders are made with a single rung, the rounds passing through it, and have a double iron prong on the end to catch on and fasten over the window-sills, so that they can be used to get to windows that are beyond the reach of the other ladders. And that a company be organized to work them, by selecting competent members from the hook and ladder companies, who would soon become, by proper drilling,

efficient in using the ladders, belts, and life-lines; and, in case of emergency, they would be enabled to give material aid in rescuing persons whose lives were imperiled in high buildings.

And that safety blankets, in which persons can jump from a great height without injury, should be placed on some of the hose carriages. They are used in other cities.

PROTECTION FOR THE WATER FRONT.

Some better protection should be given to the large amount of property on and facing the water front. The land along the water line is occupied by lumber yards, factories, covered piers, warehouses, and grain elevators; and a great deal of this property is so situated that the apparatus that we are provided with cannot render efficient service, as it can only be worked from the land side, and when fires occur on steamboats or other vessels that are lying out from the wharves, we can do nothing to assist them, and have to depend on the aid volunteered by the steam tugboats *Convoy* and *Transfer*, of the Baltimore and Ohio Railroad Company; as these boats are fitted up with pumps which are capable of throwing two powerful streams of water, being intended to protect their valuable property on Locust Point; and but for their assistance at several large fires a great deal of property would have been destroyed. The city has a water front over ten miles in length. I would recommend that a suitable steam tugboat should be procured, and fitted up with a large pump similar to what is

used on fire boats in other cities, so that the Department may be in a condition to successfully cope with fires on the water, or in property along the water front.

FIRES.

The number of fires during the past twelve months was four hundred and thirty, for which two hundred and sixty-eight alarms were sent in from signal boxes, and one hundred and sixty-two were extinguished without sending in an alarm. The fire extinguishers and hos ecarriages of the nearest company being frequently used. Ten (10) fires required additional force to subdue them, and second alarms were sounded; and for eleven (11) fires second and third alarms were struck out, which brought all the available force of the Department. There has been an unusal number of fires in the business sections, several of which were in large buildings containing perishable goods, and caused heavy loss. The total damage was $896,527.12, and of this amount $443,814.76 was caused by four fires. Seventeen (17) fires occurred where the lost exceeded ten thousand dollars ($10,000), namely:

January 14th—Box 514—Time of first alarm, 8.25 P.M.; second, 8.32 P.M.; third, 8.38 P.M.; recall, 3.54 A.M., on the 15th. Three-story brick building No. 90 South Eutaw street, occupied by Elbring & Lemkuhl as a bottling establishment, on the first and second floors; the third floor was used by Marburg & Bros. for storing leaf tobacco. Loss, $17,100; insurance, $23,500. Eleven engines and three trucks were in service.

February 16th—Box 512—Time of alarm, 1.14 A.M.; recall, 4.10 A.M. Five-story brick building No. 35 Hanover street, occupied, first floor, L. P. Griffith & Co., manufacturers of chromos and picture frames; and on the upper floors by Philip F. Gehman, dealer in laces and ruffles. The fire was in the rear part of first and second stories. Loss, $10,000; insurance, $32,500. Four engines and two trucks were in service.

February 26th—Box 414—Time first alarm, 7.50 P.M.; general alarm, 7.55 P.M.; recall, 6.10 A.M., on the 27th. Five-story brick buildings, with mansard roofs, Nos. 21 and 23 South Howard street, occupied by Charles Weillier & Sons, manufacturers and dealers in clothing, and G. S. Houser & Co., dealers in hats. The fire was confined to the two upper stories. Loss, $60,000; insurance, $95,000. Eleven engines and three trucks were in service.

February 28th—Box 171—Time first alarm, 12.37 A.M.; second, 12.46 A.M.; recall, 12.40 P.M. Four and five-story brick building, stored with baled hay, occupied by Swift & Lucy, dealers in grain and horse feed. Loss, $16,000.

March 16th—Box 512—Time of alarm, 6.31 P.M.; recall, 8.59 P.M. Five-story brick building No. 18 South Charles street, occupied, first floor, by G. N. Mackenzie & Co., dealers in hardware; and the upper floors by Schild & Stern, manufacturers of ruffles and ladies' caps. The fire was on third floor. Loss, $31,500; insurance, $47,000. Two engines and two trucks were in service.

March 18th- Box 62—Time of alarm, 8.34 P.M.; recall, 9.52 P.M. Three-story brick building Nos. 17 and 19 Weyler street, occupied by Snelenburg & Co., dealers in dry goods, ladies' cloaks and furs. The fire was caused by an explosion of gas; the stock and building was badly damaged. Loss, $15,713; insurance, $21,500. Two engines and one truck were in service.

April 8th—Box 414—Time of alarm, 9.10 P.M.; recall, 11.54 P.M. Five-story brick building, with mansard roof, Nos. 4, 6, and 8 South Liberty street, occupied by Vogeler, Son & Co., dealers and manufacturers of drugs and medicines. The fire was in the basement and around the elevator on first floor. Loss, $17,500; insurance, $62,000. Four engines and two trucks were in service.

April 30th—Box 414—Time of first alarm, 7.11 P.M.; second, 7.15 P.M.; third, 7.19 P.M.; recall, 3.21 A.M., May 1st. Four-story brick building, No. 318 West Baltimore street, extending back to Cowpen alley, occupied by S. W. Floss & Co. as a notion store. When the alarm was sent in the flames were pouring from the windows, back and front, from the basement to the roof. The intense heat, falling sparks, and burning fragments were setting fire to the adjoining buildings through the skylights. The building where the fire originated was burned out. Nos. 320 and 322 West Baltimore street, a four-story brick building, occupied by Moses Ring & Son, wholesale dealers in clothing, and M. S. Levy & Sons, dealers in straw goods, roof burned off and three upper stories badly damaged. The four-story brick building, No. 324 West Baltimore street,

occupied by Cross & Dunbracco, furniture dealers; Nos. 326 and 328 West Baltimore street, occupied by Imwold & Mehring, carpet dealers; and No. 4 North Howard street, occupied by Albert Bros., had the roofs burned and stocks damaged by water. Several other buildings were damaged by having the wooden cornices, skylights, and signs on them burned. Loss, $215,014.71; insurance, $732,500. Eleven engines and three trucks were in service.

June 6th—Box 418—Time of alarm, 4.22 P.M.; recall, 6.48 P.M. Three-story brick building No. 63 North Howard street, extending through to Clay street, occupied by Chas. Simon & Sons, dealers in dry goods, cloaks, and ladies' dresses. The fire was in the centre of the first story. Loss, $16,580.54; insurance, $172,000. One engine and one truck were in service.

August 2d—Box 523—Time of first alarm, 6.40 P.M.; second, 6.50 P.M.; third, 7.17 P.M.; recall, 6.42 A.M., August 3d. Four-story brick buildings Nos. 118 and 120 South Eutaw street, extending back to Conway street. No. 120, where the fire originated, was occupied by Beebe & Co., dealers in willowware, brooms, and broom corn. This building and contents was destroyed. The adjoining building, No. 118, occupied by Smith, Hanway & Co. as a storage warehouse, was damaged in the upper stories. Loss, $74,688.89; insurance, $219,000. Eleven engines and three trucks were in service.

August 12th—Box 541—Time of first alarm, 1.14 A.M.; second, 1.50 A.M.; recall, 5 A.M. Two-story

brick building Nos. 212 and 214 South Howard street, occupied by James Robertson, Baltimore Lead Works. Loss, $17,931; insurance, $30,750. Seven engines and two trucks were in service.

August 31st—Box 212—Time of first alarm, 4.50 A.M.; second, 4.53 A.M.; third 4.56 A.M.; recall, 12.55 P.M. Four-story brick building No. 42 Harrison street, occupied by George Beck as a furniture factory. Loss, $19,878.96; insurance, $10,000. Eleven engines and three trucks were in service.

November 3d—Box 71—Time of first alarm, 1.15 P.M.; second, 1.30 P.M.; recall, 4.57 P.M. One-story brick and frame building, one hundred and eighty-six feet long, and sixty-six feet wide, foot of Burrough street, Locust Point, occupied by The Walker Horse Shoe Company. Loss, $43,833.10; insurance, $30,000.00. Three engines and two trucks were in service. The engine companies that responded on the second call could not go in service as there is no way to get to the water at the river near the fire.

November 7th—Box 531—Time of first alarm, 2.32 A.M.; second, 2.37 A.M.; recall, 1.55 P.M. Five-story brick building, on the northeast corner of Barre and St. Peter streets, occupied by William Heinekamp & Sons as a piano factory. Loss, $18,837.00; insurance, $25,000.00. Ten engines and three trucks were in service.

November 14th—Box 143—Time of first alarm, 12.59 P.M.; second, 1.06 P.M.; recall, 3.34 P.M. Three-story brick building Nos. 1007 and 1009 East Pratt street,

occupied by Barron & Kraus, manufacturers of cigars and cigarettes. Loss, $16,052.13; insurance, $33,000.00. Four engines and three trucks were in service.

November 17th—Box 526—Time of first alarm, 11.21 A.M.; second, 11.27 A.M.; third, 11.43 A.M.; recall, 6.30 P.M. Four-story brick building, with iron front, No. 92 Camden street, occupied by Burrough Brothers, manufacturers of medicinal extracts. Loss, $32,186.26; insurance, $38,700. Eleven engines and three trucks were in service.

November 17th—Box 431—Time of first alarm, 8.14 P.M.; second, 8.20 P.M.; third, 8.22 P.M.; recall, November 18th, 10.10 A.M. Four-story brick buildings, Nos. 463, 465, 467, 469, and 471 West Pratt street, known as Milling Block, occupied by J. A. Fritter & Co., manufacturers of fine furniture; B. J. Sparklin, manufacturer of cornices and mouldings; F. G. Tinley & Co., manufacturers of sash and doors; Irving & Buck, manufacturers of desks and furniture; Bailey & Brothers, manufacturers of sash and doors; George A. Mills, manufacturer of desks and furniture. Some of the buildings extended through the block to Dover street, and were nearly all supplied with steam power from the same source. Loss, $94,111.16. Ten engines and three trucks were in service.

CASUALTIES.

Companies.	Position.	Name.	Date.	Box.	Number Days Off Duty.	Injury.
No. 1 Engine.	Fireman	Edward R. Addison.	December 20, 1885.	361	58 Days.	Head cut and foot mashed.
" 1 "	Fireman	Philip L. Brady	January 14, 1886	514	2 "	Ankle sprained.
" 2 "	Fireman	Charles L. Grund	July 12, 1886		8 "	Falling while off duty.
" 2 "	Fireman	Henry J. Ryan	November 17, 1886.	526		Killed by falling of ladder.
" 2 "	Fireman	Charles L. Grund	November 17, 1886.	526		Killed by falling of ladder.
" 3 "	Fireman	George C. Hodges	July 31, 1886	157	7 Days	Overcome by heat.
" 3 "	Fireman	John R. Battee	October 15, 1886		8 "	Ankle sprained.
" 4 "	Substitute	J. Baugher	January 14, 1886	514	18 "	Right ankle sprained.
" 4 "	Substitute	William Ryan	February 5, 1886	Silent.	16 "	Right hand cut.
" 4 "	Fireman	James Allen	February 28, 1886.	171	8 "	Right leg and hip bruised.
" 4 "	Fireman	Wilmer West	June 11, 1886	134	17 "	Head bruised.
" 4 "	Fireman	James Burke	November 3, 1886	13	35 "	Head and side bruised.
" 5 "	Fireman	Charles E. De Witt.	April 27, 1886	162	2 "	Neck sprained.
" 5 "	Asst. En'gr.	John Linderman	June 29, 1886	161	8 "	Face scalded.
" 5 "	Captain	William G. Miller	November 17, 1886.	431	28 "	Head cut and body bruised.
" 5 "	Fireman	William M. Burns.	November 17, 1886.	431	Still off.	Head cut and body bruised.
" 5 "	Fireman	Benjamin Price	November 17, 1886.	431	33 "	Head cut and body bruised.
" 5 "	Fireman	Charles E. De Witt.	November 17, 1886.	431	12 "	Head cut and body bruised.
" 5 "	Substitute	William F. Beal	November 17, 1886.	431	18 "	Head cut and body bruised.
" 6 "	Asst. En'gr.	Cornelius P. Kuhan.	April 3, 1886		13 "	Head cut and body bruised.
" 6 "	Fireman	Charles Betz	November 17, 1886.	526	Still off.	Body bruised.
" 6 "	Fireman	Francis D. Kerr	November 17, 1886.	526		Killed, falling of a ladder.
" 8 "	Fireman	G. B. Chapman	July 9, 1886		22 Days.	Right hand torn.
" 12 "	Substitute	Emmanuel Baker	November 7, 1886.	531	9 "	Hands cut.
" 13 "	Fireman	Wilbur Peirce	November 17, 1886.	431	3 "	Eyes burnt.
No. 1 Hook & Ladder.	Ladderman	Wm. E. Van Russum	April 8, 1886	124	8 "	Ankle sprained.

No.	1	Hook & Ladder.	Ladderman..	Albert Ramia.....	August 2,1886.....	51	171	"	Two fingers broke and arm sprained.
"	1	" "	Ladderman..	Frederick Oelman.	November 3, 1886...	13	13	"	Back sprained.
"	2	" "	Substitute....	Charles Bickey.....	December 20, 1885.	361	14	"	Ankle sprained.
"	2	" "	Ladderman.	John Wohllebar....	January 14, 1886....	514	12	"	Eyes injured.
"	2	" "	Ladderman..	John W. Blake.....	December 2, 1886...	73	4	"	Legs bruised.
"	2	" "	Ladderman..	Wm. H. Quigley....	December 11, 1886..	.....	Still off.		Right elbow dislocated.
"	2	" "	Ladderman..	Charles Rolf.....	December 11, 1886..	312	"	"	Right leg broke.
"	2	" "	Captain.....	Fred. A. Marston...	November 17, 1886.	526	14 Days.		Body bruised.
"	3	" "	Tillerman ...	Benjamin Levy.....	March 12, 1886.....	134	10	"	Arms bruised.
"	3	" "	Ladderman..	William Baker.....	March 22, 1886.....	163	8	"	Hands cut.
"	3	" "	Ladderman..	Andrew German....	April 2, 1886.....	124	9	"	Face cut.
"	3	" "	Ladderman..	Andrew German....	July 31, 1886.....	157	2	"	Foot injured.
"	4	" "	Ladderman..	Joseph A. Knell....	December 20, 1885.	361	27	"	Head cut & ankle sprained.
"	4	" "	Ladderman..	Patrick Burns.....	January 11, 1886....	312	5	"	Leg bruised.
"	4	" "	Ladderman..	John Kern.....	September 11, 1886.	232	7	"	Ankle sprained.
"	4	" "	Ladderman..	George Wohllebar.	October 18, 1886....	531	15	"	Foot cut.
"	4	" "	Ladderman..	George Wohllebar.	December 3, 1886...	62	13	"	Ankle sprained.

CASUALTIES.

Number of days members were off duty from injuries received.

No. 1 Engine Company members off	...	...	60	days.
No. 2 Engine " " "	...	...	8	"
No. 3 Engine " " "	...	...	15	"
No. 4 Engine " " "	...	...	94	"
No. 5 Engine " " "	...	...	146	"
No. 6 Engine " " "	...	...	56	"
No. 7 Engine " " "	...	None.		
No. 8 Engine " " "	...	...	22	"
No. 9 Engine " " "	...	None.		
No. 10 Engine " " "	...	None.		
No. 11 Engine " " "	...	None.		
No. 12 Engine " " "	...	...	9	"
No. 13 Engine " " "	...	...	3	"
No. 1 Hook and Ladder Company members off.			192	"
No. 2 Hook and Ladder " " "			84	"
No. 3 Hook and Ladder " " "			29	"
No. 4 Hook and Ladder " " "			67	"
Total	...	...	733	days.

The most terrible calamity that has fallen upon the Department since the disaster in McClellan's alley on April 17, 1869, occurred at the burning of Burrough Bros.' warehouse, No. 92 Camden street, on November 17th, by the overturning of the ladder on the Hayes' truck, in charge of No. 2 Hook and Ladder Company, by which accident three of our most courageous and faithful firemen lost their lives. There was a network of wires strung in front of the burning building, which prevented the ladders from being put into the windows, and the truck, standing near the curb, caused the ladder to stand nearly perpendicular, resting against the wires. The main ladder of the extension was up, with three lines of hose leading from Nos. 2, 6, and 10 Engines on it. There were on the ladders, managing the pipes, Permanent Fireman Charles L. Grund and Call Fireman Henry Ryan, of No. 2 Engine Company; they were about thirty-five feet from the ground. Call Firemen Francis D. Kerr and Charles Betz, of No. 6 Engine Company; they were about forty-six feet from the ground; and Call Firemen Samuel Marker, Richard E. Disney, and Benjamin Seip, of No. 10 Engine Company, were about twenty feet from the ground. Captain Marston, of No. 2 Hook and Ladder Company, was on the Hayes' ladder trying to adjust a thirty-foot ladder against the ladder on the Hayes' truck as a prop to support it, when it turned over. Firemen Francis D. Kerr and Charles L. Grund died in a short time after the ladder fell. Fireman Henry Ryan lingered until Sunday, the 21st. Fireman Charles Betz was seriously injured, but has nearly recovered. The other men on the ladder were only slightly injured.

DEATHS.

The Department has been called upon to mourn the loss of five of its members during the past year.

Frederick Dunn, permanent fireman in Engine Company No. 1, died on July 7, of paralysis, caused by striking his head when diving from a boat. He had been a member of the Department three years.

George Morris, assistant engineman in Engine Company No. 7, died on July 8, of heart disease. He had been a member of the Department seven years.

Charles L. Grund, permanent fireman in Engine Company No. 2, was killed while in service at fire at No. 92 Camden street, on November 17, by the falling of a ladder. He had been a member of the Department four years.

Francis D. Kerr, call fireman in Engine Company No. 6, was killed while in service at fire at No. 92 Camden street, on November 17, by the falling of a ladder. He had been a member of the Department eighteen years.

Henry Ryan, call fireman in Engine Company No. 2, died on November 21, from injuries received while in service at a fire at No. 92 Camden street, by the falling of a ladder on November 17. He had been a member of the Department two years.

FIRE-ALARM SIGNAL BOXES.

Twenty-one (21) new signal boxes, of which nineteen (19) are street and two (2) are private boxes, have been

added this year. They are numbered and located as follows:

185—Canton and Hudson streets.
186—N. C. R. R. grain elevator, Clinton street.
217—Front and Buren streets.
249—Brush Electric Light Works, Monument street.
256—Home of the Little Sisters of the Poor, John and Valley streets.
257—No. 5 Truck House, Aisquith, near Oliver street.
347—Calvert and Eager streets.
348—North and Lanvale streets.
354—Park avenue and Dolphin street.
356—Bolton and Laurens streets.
357—Park avenue and Preston street.
358—North and Preston streets.
383—Druid Hill avenue and Presstman street.
422—Baltimore and South streets.
473—Gilmor and Mulberry streets.
49—Baltimore and Payson streets.
525—Hanover and Pratt streets.
526—Sharp and Camden streets.
535—Columbia avenue and Wooster street.
543—Battery avenue and West street.
624—Sharp and Cross streets.

The total number of signal boxes for sending in alarms for fires is two hundred and eleven (211), six of which are private boxes.

Localities where fire-alarm signal boxes are required:

Lombard and Paca streets.
St. Paul and Centre streets.

Myrtle avenue and Hoffman street.
Lexington and Schroeder streets.
Ramsey and Gilmor streets.
Southwestern Police Station.
Baltimore street and Broadway.

KEYLESS DOORS TO FIRE-ALARM BOXES.

Fires frequently occur in the commercial part of the city after night and on Sundays, when there is considerable delay in sending in the alarm, as no places are open where the keys to the alarm boxes are kept; and to obviate this difficulty and consequent delay, I would recommend that keyless doors, such as are used in New York, Boston, Chicago, and other cities, should be placed on some of the alarm boxes in these districts, as there are but few residents, the buildings being occupied as warehouses, store, and manufacturing establishments, and when a fire occurs, unless a police officer is at hand, there is always a delay in calling the apparatus, which has been the cause of several fires gaining headway, and causing considerable loss. The boxes to be altered are: 12, 13, 121, 123, 141, 21, 24, 3, 31, 318, 4, 41, 412, 413, 414, 415, 418, 422, 5, 51, 512, 513, 521, 523, 525, 526, and 6—twenty-seven boxes.

PERMANENT MEMBERS.

Numbers 1, 2, 3, and 4 Engine Companies should be composed of all permanent members. They now have five permanent and seven call members. The importance of having the members permanent at the houses of these companies has been demonstrated very forcibly on several occasions during the past year. As

they are located in the commercial part of the city, where destructive fires are liable to occur at any moment, and having only five permanent members, when one of them is away to his meals, or off duty on his holiday (each member having but one day in a month), the companies are delayed when they are required to go in service at fires, as there are not men enough present to handle the hose, especially when two lines are required at large fires; and as the call members are scattered about the city, pursuing their daily avocations to earn a livelihood (as many of them have families, and they cannot live on the amount they receive from the Department, which is four hundred (400) dollars a year), and when they hear the bells, if they cannot see the fire, they have to go to the nearest station to find out the number of the box that the alarm came from before they can start to the fire. Each of these companies should have twelve permanent members, one of them to be the captain. The captains of all the hook and ladder companies should be permanent members, and another permanent member should be added to each of the other engine companies, in place of a call member.

ENGINE COMPANIES REQUIRED.

At five fires that occurred during the past year in large buildings the necessity for more engine companies was shown. The entire force of the Department consists of thirteen engine and four hook and ladder companies, and this force is expected to take care of nearly three hundred million dollars' worth of property, closely built up, in an area of over sixteen

squares miles, giving to each engine company nearly a mile and a-quarter, and to each hook and ladder company four square miles of property to protect. And when a large fire occurs, no matter how great may be the magnitude of it, not more than eleven engine and three hook and ladder companies are allowed to go in service, as two engine and one hook and ladder company must be kept in reserve, so as to be ready to respond in case of another fire occurring; for if the fire should be in a large building containing combustible material, and no companies were in reserve ready to immediately respond, it would soon become a conflagration. There should be a sufficient number of companies so that four engine and two hook and ladder companies could be held in reserve. This would allow two engine companies and one hook and ladder company to be kept in each district, so as to be ready for any emergency that may occur. And even this is a small number of companies to respond to the fire-alarm boxes that are scattered over the entire city.

There should be three more engine companies organized and located at the following places:

No. 14 Engine Company should be located in the vicinity of Lombard and Monroe streets.

No. 15 Engine Company should be located in the vicinity of Charles and Hoffman streets, as these portions of the city are growing very rapidly, and are a long distance from any fire apparatus.

During the past ten years there has been a great change made in the style of buildings in the business

portion of the city. On Sharp, Pratt, Hanover, Liberty, Howard, German, Lombard, and other streets, where there were mostly dwelling-houses, are now built up with large warehouses from five to eight stories in height; and many of them are over two hundred feet in depth, running back to narrow alleys, with buildings of the same kind in the rear. There has been no increase in the number of the companies in the centre of the city since the Department organized, and the force is the same as it was twenty-eight years ago; and as values are constantly increasing in this part of our city, it will presumably increase the number of fires and add to the labor of fire protection. The distance from No. 2 Engine Company, on Barre street, to No. 4 Engine Company, on Lexington street, is thirteen squares; and from No. 1 Engine Company, on North Paca street near Fayette, to No. 3 Engine Company, on Lombard near High street, is twenty squares; and this large unprotected space is covered with the most valuable, as well as the most inflammable property. In the vicinity of Balderston street is about the centre between the above-mentioned engine houses, and this would be a good location for No. 16 Engine Company, as it would place them in close proximity to this property. The last engine company was organized in the spring of 1876; and since that time, according to the statement of the Appeal Tax Court, the following number of new houses, many of them large buildings used for business purposes, have been built, and additional improvements made to buildings:

	New Buildings.		Added Improvements.
1876	1,216		576
1877	1,189		555
1878	938		503
1879	860		594
1880	940		570
1881	1,229		548
1882	1,660		640
1883	2,362		648
1884	2,398		700
1885	2,970		664
1886	2,632		528
Total new buildings.	18,364	Improvements..	6,528

CHEMICAL ENGINES.

I respectfully ask your attention to the urgent necessity of purchasing chemical engines, and placing them in service as an adjunct to each hook and ladder company. I would recommend single-tank engines, of one hundred gallons capacity, as they require only one horse and the service of two men to operate them. The experience of chemical engines for extinguishing fires has proved successful wherever they have been tried. In other cities they are used; and where stores are stocked with goods that are most likely to be damaged by water they are invaluable. During the past year a number of fires have occurred in the mercantile district, where these engines could have been worked to great advantage, and a considerable amount of property saved. The hose, being small

and light, can be carried quickly to the top stories of the highest buildings, and the fire extinguished, where it would take considerable time to carry up the heavy hose, and the loss of time allows the fire to gain considerable headway; and, when large fires occur, we could, in addition to the steam engines, have the chemicals to protect adjacent property, which would be endangered by sparks which sometimes communicate fire to buildings squares away; and in such cases the chemical engines, carrying their own material for extinguishing fires, could be made available.

WATER.

To afford additional security, and to properly protect these valuable sections, the number of fire-plugs on Paca, Eutaw, Fremont, Sharp, Penn, Pratt, German, and Baltimore streets have been increased. There are other localities, some of them in the centre of the city, where there is need of a greater supply of water and more fire-plugs, but nothing can be done until larger mains are laid.

The number of fire-plugs put up during the past year was thirty-two, making the number now in use 1,004.

Respectfully submitted,

JOHN M. HENNICK,

Chief Engineer.

TABLES.

TABLE A.

Showing the number of box alarms by districts for the year 1886.

Month.	East of Charles st.	West of Charles st.	Total.
January	9	15	24
February	11	15	26
March	5	13	18
April	10	12	22
May	8	7	15
June	7	7	14
July	12	5	17
August	17	7	24
September	12	10	22
October	5	12	17
November	15	15	30
December	15	25	40
	126	143	269

There were 126 alarms from boxes in the eastern district, which comprises all that part of the city east of the centre of Charles street, from the north boundary to the centre of Lee street; and 143 alarms from boxes in the western district, which comprises all that part of the city west of the centre of Charles street, from the north boundary to the centre of Lee street, down Lee street to the water front, and along the water line to the western boundary.

TABLE B.

Showing the number of times companies have responded to fires, and transferred to the houses of other companies; number of feet of hose laid at fires, and number of ladders used at fires.

Companies:	Number of Times Responded at Fires.	Number of Times Transferred on Alarms.	Number of Feet Hose Laid at Fires.	Number of Ladders Used at Fires.
No. 1 Engine Company..	129	.....	37,600	.....
No. 2 Engine Company..	106	.....	28,900	.....
No. 3 Engine Company..	100	.....	35,250	.....
No. 4 Engine Company..	108	.....	38,550	.....
No. 5 Engine Company..	59	34	22,700	.....
No. 6 Engine Company..	95	2	22,200	.....
No. 7 Engine Company..	79	38	22,300	.....
No. 8 Engine Company..	59	28	14,500	.....
No. 9 Engine Company..	76	40	22,700	.....
No. 10 Engine Company..	78	15	22,450	.....
No. 11 Engine Company..	43	43	11,700	.....
No. 12 Engine Company..	43	51	20,500	.....
No. 13 Engine Company..	60	21	17,800	.....
No. 1 Hook and Ladder Co.	99	.....	.....	261
No. 2 Hook and Ladder Co.	122	.....	.....	312
No. 3 Hook and Ladder Co.	62	92	.....	124
No. 4 Hook and Ladder Co.	66	94	.....	128
			318,150	825

TABLE C.

Showing number of alarms monthly for the year 1886.

Month.	Box.	Telephone and Silent.	Total.
January	24	17	41
February	26	24	50
March	16	13	29
April	22	17	39
May	15	8	23
June	14	7	21
July	17	12	29
August	24	17	41
September	23	12	35
October	17	9	26
November	30	10	40
December	40	16	56
	268	162	430

TABLE D.

Number of fires on each day of the week, for the year 1886.

Sunday	45
Monday	80
Tuesday	67
Wednesday	39
Thursday	72
Friday	63
Saturday	66

TABLE E.

Showing working time of the engines and service of the hook and ladder trucks at fires.

	Engines.		Members.	
	Hours.	Min.	Hours.	Min.
No. 1 Engine Co. in service.....	97	..	253	45
No. 2 Engine Co. in service.....	120	15	222	..
No. 3 Engine Co. in service.....	84	20	205	19
No. 4 Engine Co. in service.....	104	10	226	..
No. 5 Engine Co. in service.....	63	50	209	55
No. 6 Engine Co. in service.....	50	5	211	20
No. 7 Engine Co. in service.....	49	..	206	..
No. 8 Engine Co. in service.....	63	..	176	30
No. 9 Engine Co. in service.....	64	18	258	52
No. 10 Engine Co. in service.....	120	10	272	27
No. 11 Engine Co. in service.....	39	30	231	41
No. 12 Engine Co. in service.....	56	55	196	30
No. 13 Engine Co. in service.....	70	40	243	..

	Hook and Ladder Trucks.		Members.	
	Hours.	Min.	Hours.	Min.
No. 1 Hook & Ladder Co. in service.	90	20	234	30
No. 2 Hook & Ladder Co. in service.	265	35	350	..
No. 3 Hook & Ladder Co. in service.	119	..	160	20
No. 4 Hook & Ladder Co. in service.	158	..	278	..

TABLE F.

Losses monthly, year ending December 31, 1886.

Month.	
January	$ 32,289 30
February	98,942 16
March	66,599 50
April	243,209 42
May	7,921 15
June	21,198 06
July	10,352 87
August	120,581 14
September	7,220 27
October	17,641 69
November	227,251 25
December	37,553 77
	$890,760 58
Loss, silent fires	5,766 54
Total	$896,527 12

TABLE G.

Showing the number of fire-alarm boxes that each company responds to on the first, second, and third alarm.

Companies.	First Alarm.	Second Alarm.	Third Alarm.	Total Number of Boxes.
Engine Company No. 1	49	106	36	191
Engine Company No. 2	66	89	40	195
Engine Company No. 3	52	59	35	146
Engine Company No. 4	55	56	52	163
Engine Company No. 5	40	43	49	132
Engine Company No. 6	61	71	64	196
Engine Company No. 7	62	100	37	199
Engine Company No. 8	66	43	51	160
Engine Company No. 9	56	35	35	126
Engine Company No. 10	59	44	70	173
Engine Company No. 11	34	8	5	47
Engine Company No. 12	31	12	42	85
Engine Company No. 13	51	23	28	102
Hook and Ladder Company No. 1	54	58	21	133
Hook and Ladder Company No. 2	73	51	37	161
Hook and Ladder Company No. 3	39	27	14	80
Hook and Ladder Company No. 4	61	73	14	148

FIRE RECORD.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
January.										
Saturday 2	27	.....	6.52	135 Chew street.	N. Lorine.	Dwelling.	.....	.....	Three-story brick	Loss $158.00; recall 7.20 P.M.; unknown; extinguishers 6 and 9 Engine and 3 Hook and Ladder Cos.
Monday 4	12	8.24	.....	4 South Gay street.	Carey & Sons.	Dwelling and saloon.	.....	.....	Three-story brick	Loss $43.50; recall 8.45 A.M.; overheated stovepipe; extinguishers 4 Engine and 1 Hook and Ladder Cos.
Monday 4	26	.....	11.34	N. E. corner of Chew street and Central avenue.	Thomas Moran.	Dwelling and provision store.	.....	.....	Three-story brick	Loss $60.00; recall 11.57 P. M.; coal oil lamp falling; extinguishers 6 and 9 Engine Cos.
Thursd. 7	531	.....	9.08	158 Columbia avenue.	Charles Hall.	Dwelling.	.....	.....	Three-story brick	Loss $72.00; recall 9.19 P.M.; candles on Christmas tree set fire to furniture; extinguishers 10 Eng'e Co.
Sunday 10	352	7.37	.....	Corner Townsend st. and Mount Royal avenue,	Rev. Father Starr	R. C. Church, "Corpus Christi."	.....	.....	Two-story brick.	Loss none; recall 7.59 A.M.; foul chimney.

Sunday 10	23	.....	11.30	103 N. Eden street.	John Ulrich.	Dwelling and confectionery store.	.....	.....	Three-story brick	Loss $30.00; recall 12.04 A.M., Monday, 11th; overheated stove; extinguishers 6 and 9 Engine Cos.
Monday 11	312	.....	3.15	42½ Clay street.	A. Schuster & Co.	Mattress manufactory.	1	2	Three-story brick	Loss $675.00; recall 4.17 P.M.; unknown.
Monday 11	423	.....	9.27	555 W. Baltimore st.	S. Latz & Sons.	Dry goods and notion store.	.....	.....	Two-story brick.	Loss $2,000.00; recall 10.23 P.M.; careless construction of flue; extinguishers 1, 8 and 10 Engine and 2 Hook and Ladder Cos.
Monday 11	418	.....	10.03	42½ Clay street.	A. Schuster & Co.	Mattress manufactory.	1	4	Three-story brick	Loss none; recall 10.40 P.M.; rekindling of above fire.
Monday 11	524	.....	11.30	N. W. corner Barre and Charles streets.	F. Schultz.	Dwelling and saloon.	.....	.....	Two-story brick.	Loss $24.50; recall 11.45 P.M.; defective flue; extinguishers 2 Eng'e Co.
Tuesday 12	46	10.23	.....	925 W. Baltimore st.	William Betz.	Dwelling and liquor store.	.....	.....	Three-story brick	Loss $10.00; recall 10.40 A.M.; upsetting of a stove.
Tuesday 12	315	.....	9.44	N. W. corner Monument and Cathedral streets.	D. H. Miller.	Dwelling.	.....	.....	Four-story brown stone.	Loss $1,010.00; recall 12.34 A.M., Wednesday, 13th; overheated pipe; extinguishers 7 and 8 Engine and 2 and 4 Hook and Ladder Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A. M.	Hour, P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
Wedn'y 13	315	.....	4.36	90 W. Madison street.	Mrs. John P. Kennedy.	Dwelling.	....	.....	Four-story brick.	Loss $10.00; recall 5.07 P.M.; foul chimney; extinguishers 4 Hook and Ladder Co.
Wedn'y 13	123	.....	11.03	67 S. Gay street.	Fox & Bros.	Cooperage warehouse.	4	1	Three-story brick	Loss $750.00; recall 11.55 P.M.; defective flue.
					Lebrou Bros. & Co	Ship chandlers.				
Thursd. 14	145	11.42	.....	110 E. Fayette street.	A. Schwartzman.	Dwelling.	....	.....	Three-story brick	Loss none; recall 12.07 P.M.; lighted candle dropped in rubbish; extinguishers 3 Engine and 3 Hook and Ladder Cos.
Thursd. 14	372	.....	2.25	18 Patterson avenue.	Martha Rasin.	Dwelling.	....	.....	Two-story frame.	Loss $5.00; recall 2.49 P.M.; children playing with matches; extinguish's 4 Hook and Ladder Co.
Thursd. 14	514	.....	8.25	90 S. Eutaw street.	Elbring & Lemkuhl.	Bottling establishment.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	1, 2, 4	Three-story brick	Loss $17,100.00; recall 3.54 A.M., Friday, 15th; unknown.
2d alarm.		.....	8.32							
3d alarm.		.....	8.38		Marburg Bros.	Storage house.				
Friday 15	34	.....	7.21	134 Park avenue.	W. L. Amos.	Harness shop.	....	.....	Three-story brick	Loss $40.00; recall 7.45 P.M.; overheated stovepipe;

										extinguishers 7 and 8 Engine and 4 Hook and Ladder Cos.
Wedn'y 20	42	.....	1.02	3 Raborg street.	Charles Urban.	Dwelling.	....	.....	Two-story brick.	Loss $150.00; recall 1.32 P. M.; overheated stove; extinguishers 1 Engine and 2 Hook and Ladder Cos.
Friday 22	15	11.46	.....	152 South Broadway.	Simon Glonces.	Notion store.	....	.....	Three-story brick	Loss, $448.00; recall 12.15 P.M.; overheated stove; extinguishers 5 and 11 Engine and 3 Hook and Ladder Cos.
Saturd'y 23	4	.....	8.43	7 South Calvert st.	Klipper, Webster & Co.	Furniture manufactory.	3, 4	1, 2	Five-story, iron front.	Loss $5,126.00; recall 11.01 P. M.; unknown.
Friday 29	26	1.44	.....	267 North Eden st. 269 North Eden st.	J. Stegerman. H. Wittmer.	Dwelling. Shoe factory.	3, 6, 9	1	Three-story brick Three-story brick	Loss $4,470.30; recall 5.00 A. M.; unknown.
Friday 29	327	.....	7.40	392 Eutaw Place.	R. Macgill.	Dwelling.	....	.....	Four-story brick.	Loss $100.00; recall 9.19 P. M.; heat from furnace; extinguishers 4 Hook and Ladder Co.
Sunday 31	413	.....	7.22	Corner Baltimore and Sharp streets.	Erlander Bros.	Underwear manufactory.	....	.....	Five-story brick.	Loss none; recall 7.27 P.M.; chimney smoking.
February.										
Tuesday 2	145	.....	9.18	1 South Central ave.	J. Milliman.	Dwelling.	3	3	Three-story brick	Loss $1,170.00; recall 10.00 P.M; overheated stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
February.										
Thursd. 4	421	.....	6.22	295 Lexington street.	S. Lowenthal.	Dwelling.	....	.....	Three-story brick	Loss $246.00; recall 6.36 P.M.; gas jet set fire to lace curtain; extinguishers 2 Hook and Ladder Co.
Thursd. 4	513	.....	7.38	Cyprus alley, south of Lombard street.	Alexander Dodd & Co.	Trunk and collar factory.	1, 2, 4, 7	1, 2	Three-story brick	Loss $4,209.06; recall 10.02 P.M.; overheated stove.
Friday 5	319	1.00	.....	S. W. corner of Read and Charles streets.	Frank Brown.	Dwelling.	....	.....	Four-story brick and brown stone.	Loss $156.00; recall 1.25 A.M.; unknown; extinguishers 7 Engine and 4 Hook and Ladder Cos.
Sunday 7	364	12.35	.....	West Biddle street, near Druid Hill avenue.	City Fire Department.	Truck House.	....	.....	Three-story brick	Loss $174.00; recall 12.57 A.M.; defective flue; extinguishers 4 Hook and Ladder Co.
Sunday 7	318	11.52	.....	42 Sharp-street alley.	George Williar.	Stable.	....	.....	Two-story frame.	Loss $5.00; recall 12.05 P.M.; thawing out hydrant; extinguishers 2 Hook and Ladder Co.

Sunday	7	623	.....	5.50	291 South Charles st.	T. Hignot.	Dwelling.	.....	.....	Three-story brick	Loss $24.00; recall 6.00 P.M.; explosion of coal oil lamp; extinguishers 2 Engine Co.
Monday	8	212	11.27	.....	9 North Frederick st.	S. A. Rice & Co.	Stable.	.....	.....	Three-story brick	Loss $100.00; recall 12.02 P.M.; overheated stove; extinguishers 1 Hook and Ladder and 4 Engine Cos.
Tuesday	9	254	8.30	.....	St. Paul street and Second street, Baltimore county.	Christ Church congregation.	Orphan Asylum.	.....	.....	Three-story brick	Loss $698.89; recall 9.03 A.M.; defective flue; city apparatus not in service.
Wedn'y	10	513	.....	7.40	205 and 207 West Pratt street.	Thomas L. Reese & Co.	Wholesale grocery.	.....	.....	Four-story brick.	Loss $60.50; recall 7.54 P.M.; package of matches falling on floor; extinguishers 2 Engine Co.
Thursd.	11	242	12.13	.....	104 East Madison st.	Jacob Taylor.	Dwelling.	.....	.....	Three-story brick	Loss $125.00; recall 12.31 A.M.; explosion of a coal oil lamp; extinguishers 6 and 9 Engine and 1 Hook and Ladder Cos.
Monday	15	423	1.34	.....	456 West Baltimore street.	D. Katz.	Shoe store and dwelling.	.....	.....	Three-story brick	Loss $575.00; recall 1.46 A.M.; overheated stove; extinguishers 2 Hook and Ladder Co.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Companys.	Style of Buildings.	Remarks.
February.										
Monday 15	171	.....	7.45	59 Boston street.	W. H. Kanne.	Machine shop.	11	3	Three-story brick	Loss $530.00; recall 8.21 P.M.; defective flue.
Tuesday 16	512	1.14	.....	35 Hanover street.	P. F. Gehrman & Co. Julius Rotholz.	Wholesale lace store. Cloth sponger.	1, 2, 3, 4	1, 2	Four-story brick.	Loss $11,842.00; recall 4.11 A.M.; unknown.
Tuesday 16	45	.....	1.05	140 Harmony lane.	J. Burk.	Dwelling.	....	.....	Two-story brick.	Loss $100.00; recall 1.35 P.M.; children playing with matches; extinguishers 8, 10, and 13 Engine and 4 Hook and Lad'r Cos.
Saturd'y 20	153	.....	2.03	Corner Canton avenue and Caroline street.	Heise, Bruns & Co.	Sash factory.	....	.....	Three-story brick	Loss $100.00; recall 2.20 P.M.; sparks from smoke-stack; extinguishers 3, 5, and 11 Engine and 3 Hook and Ladder Cos.
Monday 22	236	7.30	.....	Chester street, near Fayette street.	C. W. Kraft.	Canning establishment.	9, 11	3	One-story frame.	Loss $550.85; recall 8.38 A.M.; gasoline stove bursting.
Monday 22	471	.....	8.15	75 N. Fulton avenue, in the rear.	John Shipley.	Stable.	8	4	Two-story frame.	Loss $300.00; recall 9.09 P.M.; unkn'wn.

Tuesday	23	414	.....	8.35	185 W. Lombard st.	Houghton & Hemenway.	Machine shop.	.....	.....	.....	Three-story brick	Loss $391.69; recall 9.03 P.M.; spontaneous combustion; extinguishers 2 Hook and Ladder Co.
Friday	26	423	2.58	.....	409½ W. Baltimore st.	Weisz & Heffler.	Cloak making establishment.	.....	.....	.....	Three-story brick	Loss $430.80; recall 3.19 A. M.; overheated stove; extinguishers 1 Engine and 2 Hook and Ladder Cos.
Friday	26	212	.....	12.47	3 W. Baltimore street.	A. C. Ulrich.	Book store.	.....	.....	.....	Three-story brick	Loss $70.00; recall 1.05 P. M.; overheated stove; extinguishers 1 Hook and Ladder Co.
Friday	26	414	.....	7.50	21 S. Howard street.	G.S. Howser & Co.	Hats and caps.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	1, 2, 4	Five-story brick, with Mansard roof.		Loss $60,000.00; recall 6 A.M., February 27; unknown.
Gen. alarm		.....		7.55	23 S. Howard street.	Weiller & Bro.	Clothiers, wholesale.					
Saturd'y	27	46	.....	10.55	17 Booth street.	Mary Parks.	Dwelling.	.....	.....	.....	Two-story brick.	Loss $50.00; recall 11.39 P.M.; overheated stove; extinguishers 8 and 10 Engine and 4 Hook and Ladder Cos.
Sunday	28	171	12.34	.....	339 and 341 Canton av.	Swift & Lacy.	Feed store.	2, 3, 4, 5, 6, 9, 11	1, 3, 4	Four-story brick.		Loss $16,000.00; recall 12.36 P.M.; unknown.
2d alarm			12.46									
Sunday	28	272	.....	1.48	Loney's lane and Biddle street.	W. H. Perot.	Drying house for bricks.	9	3	One-story brick and frame.		Loss $1,000.00; recall 4.07 P.M.; heat from furnace.
Sunday	28	362	.....	2.15	13 L. Peirce street.	Ad. Clarke.	Dwelling.	.....	.....	.....	Three-story brick	Loss $123.46; recall 4.07 P. M.; overheated stove.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
March.										
Tuesday 9	12	.....	5.10	N. E. cor. Baltimore street and Post-office avenue.	Thomas & Evans.	Printers.	4	1	Four-story brick.	Loss $600.00; recall 6.26 P.M.; heat from furnace.
Tuesday 9	352	.....	6.43	424 Park avenue.	Charles Pitt.	Dwelling.	.....	.....	Four-story brick.	Loss none; recall 7.07 P.M.; foul chimney.
Wedn'y 10	364	.....	4.57	49 Moore's alley.	E. C. Stewart.	Dwelling.	7	4	Three-story brick	Loss $400.00; recall 6.14 P. M.; overheated stove.
Friday 12	134	1.20	.....	Block bounded by Union Dock, Chestnut st., Eastern ave. and small alley.	Geo. R. Clark.	Stable and lumber yard.	1, 2, 3, 4, 5, 6, 9, 11	1, 2, 3	Two-story frame.	Loss $7,336.00; recall 7.21 A.M.; incendiary.
2d alarm.		1.25								
3d alarm.		1.27½								
Friday 12	413	10.55	.....	86 Lexington street.	J. Fellheimer.	Notion store.	4	1, 2	Three-story brick	Loss $2,750.00; recall 11.52 A.M.; overheated stove.
Saturd'y 13	452	5.26	.....	306 North Gilmor st.	.....	Unoccupied.	8, 13	4	Three-story brick	Loss $286.00; recall 6.31 A.M.; incendiary.
Tuesday 16	512	.....	6.31	18 South Charles st.	G. N. Mackenzie. Schild & Stern.	Hardw'e store. Lace manuf'ty.	2, 4	1, 2	Four-story brick.	Loss $31,500.00; recall 8.59 P.M.; overheated stove.
Thursd. 18	62	.....	8.34	17 and 19 Weyler st.	Schnellenburg & Co.	Notion store.	2, 12	2	Three-story brick	Loss $15,713.00; recall 9.52 P.M.; explosion of gas.

Friday	19	412	9.08	.....	237 and 239 West Baltimore street.	Armstrong, Cator & Co.	Wholesale notion store.	.....	.....	Six-story iron front.	Loss none; recall 9.20 A.M.; smoke in room, caused by back draft in chimney.
Friday	19	521	.....	10.24	Corner Pratt and Charles streets.	Edward Lloyd.	Hotel.	.....	1	Four-story brick.	Loss $10.00; recall 10.37 P.M.; candle set fire to window frame.
Sunday	21	521	2.18	.....	73 Hanover street.	G. Clare.	Notion store.	.....	.....	Three-story brick	Loss $1,100.00; recall 3.08 A.M.; overheated stovepipe; extinguishers 2 Engine and 2 Hook and Ladder Cos.
Monday	22	163	.....	1.17	45 South Wolfe street.	F. Morawski.	Paint store.	5	3	Three-story brick	Loss $632.50; recall 1.55 P.M.; explosion of benzine.
Monday	22	157	.....	8.35	223 S. Bethel street.	J. Kresina.	Dwelling.	5	3	Two-story brick.	Loss $300.00; recall 9.50 P. M.; overheated stovepipe.
Tuesday	23	342	.....	6.00	262 Park avenue.	P. H. A. Braxton.	Dwelling.	.....	.....	Three-story brick	Loss none; recall 6.23 P.M.; smoke blowing down chimney.
Saturd'y	27	352	12.38	.....	174 Bolton street.	H. Ridgely.	Dwelling.	7, 13	4	Three-story brick	Loss $5,000.00; recall 2.57 A.M.; unknown.
Wedn'y	31	3	.....	7.35	28, 30 and 32 North Holliday street.	Murrill & Keyser. Wise Bros.	Machine shop. Underwear manufactory.	.....	.....	Four-story brick.	Loss $972.00; recall 8.05 P.M.; overheated stove; extinguishers 4 Engine and 1 Hook and Ladder Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's	Style of Buildings.	Remarks.
April. Thursd.	1	2	14	.....	7.01	73 E. Baltimore street.	L. Newman.	Notion store.	3	1	Three story brick	Loss $756.64; recall 7.24 P.M.: gas jet in window set fire to goods.
Friday	2	4	23	3.34	.....	545½ West Baltimore street.	Jacob Wise.	Shoe store.	.....	.....	Four-story brick.	Loss $475.00 recall 3.59 A. M.; unknown; extinguishers 2 Hook and Ladder Co.
Friday	2	1	24	.....	3.50	1 and 2 Wood street.	Crosby & Ryan.	Storage warehouse for oils & axle grease.	1	1	Four-story brick.	Loss $200.00; recall 425 P.M.; grease in "cauldron" boiling over.
Friday	2		42	.....	8.17	184 Lexington street.	J. P. Stone.	Cigar factory.	.....	.....	Four-story brick.	Loss $462.60; recall 8.44 P.M.; supposed lighted match in rubbish; extinguishers 1 Engine and 2 Hook and Ladder Cos.
Saturday	3	5	21	.....	6.26	57 Hanover street.	H. M. & E. Oettinger.	Furniture factory.	1, 2, 4, 12	1, 2	Five-story brick.	Loss $2,560.97; recall 9.09 P.M.; spontaneous combustion.
Saturday	3	3	17	.....	8.19	114 West Baltimore street.	Turpin & Nachman.	Concert saloon.	3, 4, 6	2, 3	Four-story brick.	Loss $3,137.50; recall 10.17 P. M.; sup-

					Mann & Jackson Harrison & Whitelock.	Printing office. Type foundry..				posed overheated "furnace."
Monday	5	462	.....	4.25	775 West Lombard street.	M. Catheart.	Dwelling.	.....	.....	Three-story brick	Loss none; recall 4.39 P.M.; explosion of a coal oil can; extinguishers 13 Engine Co.
Wedn'y	7	215	.....	7.32	62 Aisquith street.	S. Rosenblatt.	Dwelling and notion store.	.....	.....	Three-story brick	Loss $342.00; recall 7.59 P.M.; lighted lamp in closet; extinguishers 6 and 9 Engine and 1 Hook and Ladder Cos.
Thursd.	8	124	9.24	.....	4 and 6 Bowly's Wharf.	J. E. Bell & Co.	Fruit warehouse.	3, 4	1	Four-story brick.	Loss $700.00; recall 10.35 A.M.; party smoking among hay.
Thursd.	8	414	.....	9.11	4, 6, and 8 S. Liberty street.	Vogeler & Co.	Drug manufactory.	1, 2, 4, 7	1, 2	Five-story brick.	Loss $17,500.00; recall 11.54 P.M.; spontaneous combustion.
Thursd.	8	123	.....	11.57	65 South Gay street.	W. S. Hughes.	Feed store.	3, 4	1, 3	Three-story brick	Loss $1,300.00; recall 2.45 A.M., April 9; unknown.
Friday	9	65	.....	9.20	720 Hanover street.	J. Deilman.	Stable.	12	2	Two-story frame.	Loss $150.00; recall 10.10 P.M.; party smoking among hay.
Tuesday	13	534	12.44	.....	S. W. corner Russell and Hamburg sts.	W. Kuhland.	Dwelling.	.....	.....	Three-story brick	Loss $20.00; recall 12.59 A. M.; hot ashes in box; extinguishers 2 Engine Co.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1885—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
April.										
Thursd. 22	35	2.08	.....	2 Brown's court.	.....	Dwelling.	.....	.....	Two-story brick.	Loss $10.00; recall 2.35 A.M.; party smoking pipe in bed; extinguishers 7 Engine and 4 Hook and Ladder Cos.
Saturd'y 24	31	.....	5.37	17 Franklin street.	Mrs. Robinson.	Dwelling.	.....	.....	Three-story brick	Loss $25.00; recall 5.51 P.M.; sparks from chimney; extinguishers 7 Engine Co.
Tuesday 27	162	4.55	.....	23 Fell street.	M. Skartaroz and others.	Tenement-house.	.....	.....	Three-story brick	Loss $25.00; recall 5.13 A.M.; coal-oil can explosion; a young girl was burned, and died at 2 P.M.
Wedn'y 28	63	.....	9.31	496 Light street.	William Durm.	Stable.	2, 12	2	Two-story brick and frame.	Loss $300.00; recall 12.38 A.M., April 29; unknown.
Thursd. 29	21	10.55	.....	Holliday street.	.....	Sewer.	4	1	.....	Loss none; recall 11.24 A.M.; gas tar burning.
Thursd. 29	52	.....	7.41	86 South Sharp street.	George Barker.	Dwelling.	.....	.....	Three-story brick	Loss $15.00; recall 7.51 P.M.; gas jet

											set fire to curtain; extinguishers 2 Engine Co.
Thursd. 29	28	.....	9.28	Hoffman and Chester streets.	D. Donnelly.	Brickyard.	)	3	One-story frame.	Loss $100.00; recall 10.25 P.M.; incendiary.
Friday 30	414	.....	7.11	312 W. Baltimore st.	Witz, Biedler & Co	Notion store.	1, 2, 3, 4, 5,	1, 2, 4	Five-story stone.	Loss $215,014.71; recall 3.21 A.M., May 1; supposed by gas explosion.
2d alarm.			7.15½	314 " " "	Frank & Adler.	Boot & shoe "	6, 7, 8, 9,		Four-story iron.	
31 alarm.			7.19	316 " " "	" " "	" " " "	10, 12		" " "	
				318 " " "	S. W. Floss & Co.	Notion "			" " brick.	
				320 " " "	M. S. Levy & Sons.	Straw goods "			" " "	
				322 " " "	M. Ring & Son.	Clothing "			" " "	
				324 " " "	Cross & Dunbracco.	Furniture "			Five-story brick.	
				326 " " "	Imwold & Mehring.	Carpet "			" " "	
				328 " " "	Imwold & Mehring.	" "			" " "	
				1 N. Howard street.	Albert Bros.	Hardware "			Four-story brick.	
				6 " " "	J. H. Medairy & Co	Stationery "			Five-story brick.	
				8 " " "	F. A. Dillingham.	Hardware "			" " "	
Friday 30	15	.....	9.30	65 Bank street.	S. Jacobson.	Notion store and dwelling.	.....	.....	Three-story brick	Loss $125.00; recall 9.52 P.M.; coal oil lamp falling; extinguishers 11 Engine and 3 Hook and Ladder Cos.
May.										
Saturday 1	318	10.47	.....	81 N. Charles street.	David Arden.	Shoe store.	.....	.....	Four-story brick.	Loss $361.15; recall 11.41 A.M.; overheated stovepipe; extinguishers 4 and 7 Engines and 1 and 2 Hook and Ladder Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
May.										
Tuesday	43	17	7.10	..... N. W. corner North and Baltimore sts.	National Publishing Company.	Printing office.	4	1, 2	Five-story brick.	Loss $425.00; recall 8.30 A.M.; heat from furnace.
Tuesday	43	63	.....	7.05 Corner Schroeder st. and Edmondson av.	Dr. H. F. Hill.	Stable.	.....	.....	Three-story brick	Loss $10.00; recall 7.22 P.M.; unknown; extinguishers 8 Engine and 4 Hook and Ladder Cos.
Wedn'y	53	13	.....	8.26 22 Mulberry street.	....	Dwelling.	.....	.....	Four-story brick.	Loss $10.00; recall 8.35 P.M.; gas jet set fire to curtain; extinguishers 7 Engine Co.
Thursd.	6	184	2.50	..... Harbor, foot of Chesapeake street.	Captain Frazier.	Steamboat *Lelia.*	....	.....	....	Loss $300.00; recall 4.02 A.M.; heat from furnace; B. & O. tugboat *Convoy* and 3 Hook and Ladder Co.
Saturday	8	51	.....	8.35 Foot of Leadenhall street.	R. H. Wilbur.	Stable.	12	2	Two-story frame.	Loss $600.00; recall 9.32 P.M.; incendiary.
Tuesday	11	372	9.47	..... 26 Patterson avenue.	Mary Brosius.	Dwelling.	....	.....	Three-story brick	Loss $100.00; recall 10.10 A.M.; set on

											fire by an insane woman; extinguishers 8 and 13 Engine Cos.
Friday	14	416	10.55	.....	73 King street.	M. Johnson.	Dwelling.	.....	.....	Two-story brick.	Loss $84.00; recall 11.08 A.M.; explosion of a coal-oil lamp; extinguishers 2 Hook and Ladder Co.
Sunday	16	162	.....	7.02½	Wharf foot of Fell st.	American Towing Company.	Tugboat *Edna*.	.....	.....	.....	Loss $25.00; recall 7.44 P.M.; heat from furnace; extinguishers 3 Hook and Ladder Co.
Monday	17	4	.....	8.51	1 S. Calvert street.	W. P. Towles & Bro.	Shirt factory.	4	1, 2	Three-story brick	Loss $800.00; recall 9.40 P.M.; unknown.
Monday	24	61	6.57	.....	Corner Light and Little Hughes sts.	J. Frietag.	Cigar store and dwelling.	.....	.....	Three-story brick	Loss $5.00; recall 7.04 A.M.; bursting of coal-oil stove.
Tuesday	25	248	.....	7.23	Corner Hillen and Holliday streets.	S. Rosenburg & Co.	Morocco factory.	4, 6	1	Four-story brick.	Loss $1,000.00; recall 8.21 P.M.; heat from furnace.
Saturd'y	29	523	10.45	.....	111 Conway street.	M. O'Neil and others.	Dwelling.	2	2	Three-story brick	Loss $308.00; recall 11.45 A.M.; sparks from chimney.
Saturd'y	29	143	.....	10.15	Allen alley, near Exeter street.	G. Bunnecke.	Carpenter shop.	3	3	Three-story brick	Loss $10.00; recall 11.20 P.M.; heat from stovepipe.
Sunday	30	242	2.31	.....	47 E. Monument st. 49 " " " 51 " " "	J. T. Dailey. Mrs. Powers. Mrs. Carter.	Dwelling. " "	4, 6 9	1	Three-story brick	Loss $3,883.00; recall 4.32 A.M.; boy smoking cigar set fire to lounge.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Cos.	Style of Buildings.	Remarks.
June.										
Tuesday 1	425	3.43	.....	S. W. corner Raborg and Schroeder sts.	John Jacobs.	Saloon and dwelling.	8	2	Two-story brick.	Loss $200.00; recall 4.26 A.M.; unknown.
Thursday 3	212	12.44	.....	11 E. Baltimore street.	Mrs. Jeter.	Boarding house.	....	.....	Four-story brick.	Loss $72.00; recall 1.06 A.M.; party smoking pipe in bed; extinguishers 1 Hook and Ladder Co.
Sunday 6	418	.....	4.22½	63 N. Howard street.	Charles Simon & Sons.	Dry goods store.	1	2	Three-story brick	Loss $16,580.54; recall 6.48 P.M.; unknown.
Tuesday 8	65	.....	6.02	Corner Barney street and Clarkson alley.	Frank Tomal.	Stable.	12	.....	One-story frame.	Loss $5.00; recall 6.28 P.M.; unknown.
Wedn'y 9	415	.....	7.05	348 W. Baltimore st.	J. P. Shriner & Co.	Harness store.	....	.....	Five-story brick.	Loss $294.00; recall 7.22 P.M.; unknown; extinguishers 1 Engine and 2 Hook and Ladder Cos.
Wedn'y 9	56	.....	7.10	49 Plum alley.	J. C. Textor.	Cooper shop.	10, 12	1	Two-story brick.	Loss $500.00; recall 8.26 P.M.; unknown.
Friday 11	151	9.55	.....	43 and 45 S. Dallas st.	H. Heyward and others.	Dwellings.	....	.....	Two-story frames	Loss $45.00; recall 10.17 A.M.; sparks

										from chimney; extinguishers 5 Engine and 3 Hook and Ladder Cos.
Saturd'y 12 2d alarm.	134	12.55 1.01	.....	Union Dock, near Eastern avenue.	R. T. Waters & Son. G. R. Clarke & Co.	Lumber yards.	3, 4, 5	1, 3	.....	Loss $900.00; recall 2 A.M.; incendiary.
Thursd. 17	452	.....	4.02	657 Lexington street.	W. B. Gantt.	Dwelling.	.....	.....	Three-story brick	Loss $137.00; recall 4.29 P.M.; children playing with matches; extinguishers 8 and 13 Engine and 4 Hook and Ladder Cos.
Saturd'y 19	562	.....	9.47	Corner Fort avenue and Olive street.	City.	Gasoline lamp.	.....	.....	.....	Loss $5.00; recall 9.54 P.M.; explosion.
Monday 21	212	.....	3.50	3 Second street.	H. E. Cook & Bro.	Sash factory.	3, 4	1	Two-story brick.	Loss $150.00; recall 4.26 P.M.; sparks from chimney.
Monday 21	161	.....	10.43	174 South Broadway.	H. Solomon.	Notion store and dwelling.	.....	.....	Three-story brick	Loss $10.00; recall 11.01 P.M.; curtain taking fire from gas jet; extinguishers 3 Hook and Ladder Co.
Tuesday 22	247	.....	10.56	294 North Gay street.	F. Jacobs.	Notion store and dwelling.	6, 9	1	Three-story brick	Loss $2,157.52; recall 11.50 P.M.; supposed to have caught from gas jet.
Friday 25	13	.....	11.50	Smith's wharf.	J. R. Hudgins & Co.	Storage for hay.	3, 4	1	....	Loss $142.00; recall 12.52 A.M., Saturday, 26th; incendiary.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
July. Thursd.	1	4	14	.....	6.49	15 and 17 South Howard street.	Perry & Clark.	Shoe factory.	.....	.....	Five-story brick.	Loss $25.00; recall 7.13 P.M.; unknown; extinguishers 1, 2, and 4 Engine and 2 Hook and Ladder Cos.
Thursd.	1	2	12	.....	7.36	9 S. Frederick street.	Dryden & Palmer	Candy factory.	.....	.....	.....	Three-story brick	Loss $20.00; recall 8.06 P.M.; sparks from chimney; extinguishers 1 Hook and Ladder Co.
Monday	5	11	51	11.17	.....	244 Canton avenue.	Kohn & Bro.	Feed store.	.....	.....	.....	Three-story brick	Loss $20.00; recall 11.34 A.M.; sparks from locomotive; extinguishers 5 and 11 Engine and 3 Hook and Ladder Cos.
Monday	5	2	43	.....	3.19	106 Ensor street.	H. Praddle.	Dwelling.	6	1	Two-story frame.	Loss $253.00; recall 4.05 P.M.; firecrackers thrown on roof.
Monday	5	8	.....	6.19	.....	.....	.....	.....	.....	.....	.....	Loss none; recall 6.47 P.M.; caused by a mistake.

Monday	5	247	.....	6.55	333 N. Gay street.	I. Hirshberg.	Paint store and dwelling.	.....	.....	Three-story brick	Loss $10.00; recall 7.06 P.M.; lighted balloon falling on roof; extinguishers 6 and 9 Engine Cos.
Monday	5	212	.....	7.20	19 E. Baltimore street.	Peter Rooney.	Photograph gallery.	.....	.....	Three-story brick	Loss $75.00; recall 7.44 P.M.; spontaneous combustion; extinguishers 3, 4, and 6 Engine and 1 and 3 Hook and Ladder Cos.
Monday	5	362	.....	9.20	.....	.....	.....	.....	.....	.....	Loss none; recall 9.32 P.M.; caused by a party seeing a light from fireworks.
Tuesday	6	18	.....	1.51	Foot of Chesapeake st.	Tunis & Co.	Planing mill.	11	3	Two-story brick and frame.	Loss $10.00; recall 2.56 P.M.; heat from furnace.
Tuesday	6	236	.....	10.07	397 Orleans street.	S. Eckhardt.	Lamp store and dwelling.	.....	.....	Two-story brick.	Loss $25.00; recall 10.24 P.M.; vapor from coal oil exploding; extinguishers 3 Hook and Ladder and 5, 9, and 11 Eng'e Cos.
Friday	9	15	7.05	.....	99 S. Bond street.	H. H. Eurick.	Tin can factory	.....	.....	Three-story brick	Loss $562.00; recall 7.37 A.M.; gasoline taking fire from soldering pot; extinguishers 3 Hook and Ladder and 3, 5, and 11 Eng'e Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's	Style of Buildings.	Remarks.
July.										
Monday 12	243	9.05	.....	112 and 114 Ensor st.	O. Kernan & Co.	Cotton waste factory.	6	1	Two-story brick.	Loss $400.00; recall 10.07 A.M.; some foreign substance in picking machine.
Monday 12	151	.....	8.17	1 S. Caroline street.	S. K. Elkton.	Clothing store and dwelling.	.....	.....	Three-story brick	Loss $87.00; recall 8.26 P.M.; gas jet in window; extinguishers 3 Engine and 3 Hook and Ladder Cos.
Tuesday 13	39	1.37	.....	Druid Hill avenue and Retreat street, Baltimore County.	Peoples' Passenger Railway Co.	Car stables.	.....	.....	Two-story frame.	Loss ——; recall 2.01 A.M.; apparatus went as far as city limits.
Thursd. 15	516	.....	11.01	36 to 46 Warner street.	F. H. Blume.	Picture-frame manufactory.	2, 10	2	Three-story brick	Loss $355.00; recall 11.53 P.M.; sparks from furnace.
Saturdy 31 2d alarm.	157	.....	5.56	304 and 306 S. Caroline street.	J. H. Thiemyer & Co.	Box factory.	1, 3, 4, 5, 6, 9, 11	1, 3	Two and three-story brick.	Loss $8,510.87; recall 10.43 P.M.; heat from furnace.
Saturd'y 31	253	.....	7.14	10 Aisquith street, Baltimore County.	S. Aro.	Dwelling.	.....	.....	Two-story brick.	Loss ——; recall 7.34 P.M.; apparatus went to city limits.

August.												
Monday	2	51	1.18½	.....	N. E. corner Pratt and Hollingsworth sts.	T. B. Schall. John Schultze.	Produce store. Storage.	1, 2, 3, 4	1, 2	Four-story brick.	Loss $1,300.00; recall 4.15 A.M.; unkn'wn
Monday	2	157	7.45	.....	304 and 306 S. Caroline street.	J. H. Thiemyer & Co.	Box factory.	3	3	Two and three story brick.	Loss none; recall 9.18 A.M.; rekindling of fire.
Monday	2	523	.....	6.40	114 S. Eutaw street.	W. E. Norris & Co.	Wholesale grocery.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12	1, 2, 4	Three-story brick	Loss $74,688.89; recall 6.42 A.M., August 3; unknown.
2d alarm.		.....	6.50	116 " " "	Smith & Hanway.	Wholesale grocery.			" " "		
3d alarm.		.....	7.17	118 " " "	Smith, Hanway & Co.	Wholesale grocery.			" " "		
				120 " " "	C. S. Beebe & Co.	Willowware store.			" " "		
				122 " " "	Bickford & Hoffman.	Storage.			" " "		
Tuesday	3	25	11.11	.....	104 E. Eager street.	William Duffy.	Stable.	6	4	Two-story frame.	Loss $5.00; recall 11.35 A.M.; unk'wn.
Tuesday	3	41	.....	9.57	84 W. Fayette street.	I. Friedenwald.	Book bindery.	4	1, 2	Four-story brick.	Loss $750.00; recall 11.06 P.M.; supposed lighted paper thrown amongst loose paper.
Wedn'y	4	424	.....	5.23	3 Collins' Court.	John Heitel.	Dwelling.	8	4	Two-story brick.	Loss $450.00; recall 6.33 P.M.; defective flue.
Tuesday	10	12	7.25	.....	18 Second street.	C. Haffcke.	Storage warehouse.	....	1	Two-story brick.	Loss $20.00; recall 7.50 A.M.; sparks from chimney.
Tuesday	10	15	8.53	.....	133 S. Dallas street.	Jacob Foutz.	Storage for hay.	....	3	One-story frame.	Loss $25.00; recall 9.17 A.M; spontaneous combustion.
Wedn'y	11	15	5.39	.....	99 S. Bond street.	H. Eurick & Co.	Tin can factory	3, 5, 11	3	Three-story brick	Loss $1,800.00; recall 6.59 A.M.; leak in gasoline pipe.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
August.										
Thursd. 12 2d alarm.	541	1.13 1.50	.....	212 and 214 South Howard street.	James Robert & Co.	Lead works.	1, 2, 4, 6, 7, 10, 12	2, 4	Two-story brick.	Loss $17,931.00; recall 4.59 A.M.; supposed heat from furnace.
Thursd. 12	6	.....	12.45	26 S. Calvert street.	W. L. Milliken & Co.	Hide and leather store.	.....	1	Five-story brick.	Loss $22.00; recall 12.58 P.M.; spontaneous combustion from old nitre bags.
Friday 13	6	.....	9.56	26 S. Calvert street.	W. L. Millikin & Co.	Hide and leather store.	4	1	Five-story brick.	Loss none; recall 10.20 P.M.; spontaneous combustion from old nitre bags.
Monday 16	141	.....	3.00	70 President street.	Olivia Mallatesta.	Dwelling.	3	1	Four-story brick.	Loss $298.39; recall 3.52 P.M.; sparks from smoke-stack of adjoining building.
Tuesday 17	62	.....	9.02	S. E. corner West and Light streets.	August Plack.	Dwelling and bakery.	.....	.....	Three-story brick	Loss $30.00; recall 9.16 P.M.; bursting of a gasoline stove; extinguishers 12 Engine Co.
Wedn'y 18	21	6.15	.....	41 North Gay street, "Pythian Castle."	Order of Knights of Pythias.	Meeting hall.	.....	1	Five-story brick.	Loss $43.00; recall 6.39 A.M.; explosion of gas meter;

											extinguishers 3, 4, and 6 Engine Cos.
Thursd.	19	531	.....	9.06	N. E. corner St. Peter and Barre streets.	W. Heinekamp & Sons.	Piano and organ factory.	.....	.....	Four-story brick.	Loss none; recall 9.19 P.M.; hot ashes in wooden box; extinguishers 10 Engine Co.
Friday	20	215	.....	8.54	72 Chestnut street.	Vincent Stallings	Tenement house.	.....	.....	Three-story brick	Loss $155.90; recall 9.29 P.M.; overturning of a candle; extinguishers 3, 6, and 9 Engine and 1 Hook and Ladder Cos.
Saturd'y	21	15	.....	5.55	83 Bank street.	John Keck.	Cooper shop.	5	3	One-story frame.	Loss $100.00; recall 6.31½ P.M.; heat from fire in fireplace.
Sunday	22	252	8.58	.....	Preston street near Greenmount avenue.	Dietrick & Harvey.	Machine shop.	.....	.....	Three-story brick	Loss $135.00; recall 10.16 A.M.; heat from furnace; extinguishers 6, 7, and 9 Engine and 4 Hook and Ladder Cos.
Monday	23	161	.....	1.19	166 South Broadway.	George Desch.	Hotel and restaurant.	.....	.....	Four-story brick (in the rear).	Loss $100.00; recall 1.43 P.M.; overheated stove-pipe; extinguishers 3, 5, and 11 Engine and 3 Hook and Ladder Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
August.										
Friday 27	513	.....	6.23	45 S. Liberty street.	Harris & Shearer.	Brass foundry.	....	2	Two-story brick.	Loss $10.00; recall 6.34 P.M.; heat from boiler.
Friday 27	534	.....	10.49	262 South Paca street.	Frank Clark.	Dwelling.	....	.....	Three-story brick	Loss $108.00; recall 11.10 P.M.; spontaneous combustion of rags in a cupboard; extinguish'rs 10 Engine Co.
Sunday 29	4	7.19	.....	S. W. corner Baltimore and Calvert streets.	W. U. Telegraph Company.	Telegraphoperators' room.	3, 4	1, 2	Four-story brick.	Loss $2,730.00; recall 9.00 A.M.; spontaneous combustion of material used in telegraphing.
Tuesday 31	212	4.50	.....	42 Harrison street.	Mrs. Margaret Beck.	Furniture factory and store-room.	1, 2, 3, 4, 5, 6, 7, 9, 10, 12, 13	1, 2 3	Four-story brick.	Loss $19,878.95; recall 12.55 P.M.; sparks from furnace.
2d alarm.		4.52								
3d alarm.		4.55								
Sept.										
Thursd. 2	6	3.39	.....	1 Grant street.	Charles Swearer.	Restaurant.	....	.....	Three-story brick	Loss $43.00; recall 4.41 A.M.; defective flue; extinguishers 4 Eng'e and 1 Hook and Ladder Cos.
Thursd. 2	128	.....	2.44	Frederick and Second streets.	W. E. Hooper & Co.	12 bales of cotton in street.	3	1	....	Loss $200.00; recall 4.03 P.M.; unkno'n.

Friday General alarm.	3	525	4.34 4.40	.....	161 West Pratt street.	H. Knefely. W. H. Peters & Sons. Dowling & Keller J. M. Hartell.	German produce. Book bindery. Printing office. Paper box factory.	1, 2, 3, 4, 5, 6, 7, 8, 10	1, 2, 4	Four-story brick.	Loss $3,750.00; recall 7.50 A.M.; supposed from fire in a stove setting fire to waste paper.
Saturday	4	6	.....	9.27	26 S. Calvert street.	W. H. Millikin & Co.	Hides and leather store.	.....	.....	Five-story brick.	Loss $324.27; recall 10.36 P.M.; unknown; extinguishers 3 and 4 Engine and 1 and 2 Hook and Ladder Cos.
Sunday	5	247	1.05	.....	183 E. Monument st.	J. J. Bregel, sexton.	English Lutheran Church.	.....	.....	Three-story brick	Loss $25.00; recall 1.44 A.M.; incendiary; extinguishers 6 and 9 Engine and 1 Hook and Ladder Cos.
Saturd'y	11	232	2.30	.....	207 Orleans street.	John Koenig.	Bakery and dwelling.	9	3	Three-story brick	Loss none; recall 2.47 A.M.; kettle of fat boiling over.
Saturd'y	11	419	10.00	.....	59 N. Eutaw street.	J. Pels & Son.	Boot and shoe store.	.....	.....	Four-story brick.	Loss none; recall 10.10 A.M.; lighted gas jet set fire to paper boxes; extinguisher 7 Eng'e Co.
Saturd'y	11	123	.....	2.57	109 Smith's wharf.	King & Greenfield	Carpenter shop	.....	.....	Two-story brick.	Loss $76.00; recall 3.22 P.M.; sparks from smoke-stack in adjoining building; extinguishers 3 and 4 Eng'e and 1 Hook and Ladder Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

DATE.	BOX.	HOUR, A.M.	HOUR, P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	HOOK AND LADDER COMPANY'S.	STYLE OF BUILDINGS.	REMARKS.
Sept. Saturd'y 11	272	.....	10.45	Biddle and Patuxent streets.	W. H. Perot.	Brick yard.	.....	.....	One-story frame.	Loss $800.00; recall 1.40 A.M., Sunday, 12th; heat from kiln; extinguishers 6 and 9 Engine and 3 Hook and Ladder Cos.
Monday 13	531	11.02	.....	82 Elbow lane.	Stella Briscoe.	Dwelling.	.....	.....	Three-story brick	Loss $175.00; recall 11.36 A.M.; overheated stove; extinguishers 2 and 10 Engine and 2 Hook and Ladder Cos.
Monday 13	531	.....	3.22	82 Elbow lane.	Stella Briscoe.	Dwelling.	.....	.....	Three-story brick	Loss none; recall 3.40 P.M.; smoke from stove; nothing in service.
Monday 13	531	.....	6.54	82 Elbow lane.	Stella Briscoe.	Dwelling.	.....	.....	Three-story brick	Loss none; recall 7.44 P.M.; supposed incendiary; extinguishers 2 Hook and Ladder Co.
Tuesday 14	472	2.10	.....	Kirby's lane, Baltimore County.	T. M. Keirle.	Stable and granary.	8, 13	4	Two-story brick.	Loss———; recall 4.20 A.M.; unknown.

Tuesday	14	42	.....	5.15½	235 Lexington street.	S. Rider.	Notion store.	.....	.....	Three-story brick	Loss $75.00; recall 5.37 P.M.; explosion of gas meter; extinguishers 1 Engine and 2 Hook and Ladder Cos.
Saturd'y	18	264	.....	3.20	276 E. Madison street.	J. A. France.	Dwelling.	.....	.....	Three-story brick	Loss $197.00; recall 3.53 P.M.; explosion of gasoline stove; extinguishers 6 and 9 Engine and 1 Hook and Ladder Cos.
Monday	20	8	.....	7.51	Corner Marriott and Lohman streets.	Baltimore Retort Company.	Stable.	2, 12, B. & O. R. R. Engine.	2	Two-story frame.	Loss $1,330.00; recall 9.12 P.M.; unknown.
Wedn'y	22	42	1.04	.....	28 to 36 N. Eutaw st.	Joel Gutman & Co	Dry Goods store.	.....	.....	Five-story brick.	Loss none; recall 1.16 A.M.; spontaneous combustion; extinguishers 2 Hook and Ladder Co.
Thursd.	23	242	.....	2.50	East Monument street near Forrest street.	A. Storck & Sons.	Planing mill & sash factory.	.....	.....	Two-story brick.	Loss none; recall 3.25 P.M.; heat from furnace; extinguishers 6 and 9 Engine and 1 Hook and Ladder Cos.
Thursd.	23	214	.....	9.44	49 E. Fayette street.	William Gray.	Dwelling.	.....	.....	Three-story brick	Loss $125.00; recall 9.56 P.M.; incendiary; extinguishers 1 Hook and Ladder Co.
Saturd'y	25	612	.....	1.28	159 Hughes street.	John F. Carter.	Dwelling.	.....	.....	Three-story brick	Loss 25.00; recall 1.43 P.M.; explosion of

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
Sept.										can of gasoline; extinguishers 2 Engine Co.
Saturd'y 25	128	.....	10.18	N. E. corner Second and Frederick sts.	M. D. Banks.	Furniture storeroom.	.....	.....	Five-story brick.	Loss $50.00; recall 10.42 P.M.; spontaneous combustion; extinguishers 1 Hook and Ladder Co.
Tuesday 28	151	.....	2.32	11 S. Dallas street (in the rear).	S. Basler.	Dwelling.	.....	.....	Three-story brick	Loss $25.00; recall 2.54 P.M.; overheated stove; extinguishers 3 Engine and 3 Hook and Ladder Cos.
Thursd. 30	28	.....	1.59	Boundary ave. near Gay street, Baltimore County.	J. H. Vonderhorst & Sons.	Brewery. Cooper shop.	9	3	Five-story brick. Two-story frame.	Loss ——; recall 5.07 P.M.; sparks from furnace; apparatus in service by order of Mayor Hodges.
October.										
Sunday 3	121	.....	9.13	N. E. corner Pratt and Commerce streets.	Henry Pletsch.	Restaurant.	.....	.....	Four-story brick.	Loss $300.00; recall 9.49 P.M.; unknown; extinguishers 3 and 4 Engine

											and 1 Hook and Ladder Cos.
Tuesday	5	32	1.27	.....	2 Garden street.	T. R. Harvey.	Dwelling.	.....	.....	Three-story brick	Loss $50.00; recall 1.58 A.M.; unknown; extinguishers 1 and 7 Engine and 4 Hook and Ladder Cos.
Wedn'y 2d alarm.	6	524	.....	6.20 6.25	11 East Barre street.	Wm. A. Potts.	Saw and planing mill.	1, 2, 3, 4, 6, 10, 12	1, 2	One-story brick and frame.	Loss $8,480.00; recall 9.25 P.M.; supposed incendiary.
Friday	8	327	.....	10.25	428 Eutaw Place.	L. W. Gunther.	Dwelling.	.....	.....	Four-story brick.	Loss $30.50; recall 10.43 P.M.; gas jet set fire to mosquito net.
Saturday	9	6	.....	8.49	Hollingsworth street near Lombard street.	Parrish Bros.	Wholesale grocers.	.....	.....	Four-story brick.	Loss $50.00; recall 9.11 P.M.; incendiary; extinguishers 4 Engine and 1 Hook and Ladder Cos.
Sunday	10	525	10.30	.....	224 West Pratt street.	H. N. Hurtt.	Hat store and dwelling.	.....	.....	Three-story brick	Loss $800.00; recall 11.15 A.M.; sparks from chimney; extinguishers 1, 2, and 4 Engine and 1 Hook & Ladder Cos.
Tuesday	12	231	8.59	.....	428 N. Dallas street.	J. H. Scott.	Dwelling.	.....	.....	Two-story brick.	Loss $155.00; recall 9.26 A.M.; children playing with matches; extinguishers 6 and 9 Engine and 3 Hook and Ladder Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Co's.	Style of Buildings.	Remarks.
October.										
Wedn'y 13	53	5.59	.....	Clifford alley near Poppleton street.	M. W. Warner.	Stable.	10	2	Two-story frame.	Loss $100.00; recall 6.17 A.M.; unknown.
Friday 15	451	8.11	.....	42 Stockton alley.	C. Roberts.	Dwelling.	.....	.....	Three-story brick	Loss $15.00; recall 8.34 A.M.; overheated stove; extinguishers 8, 10, and 13 Engine and 4 Hook and Ladder Cos.
Sunday 17	534	12.26	.....	195 Burgundy alley.	P. Finney.	Stable.	2, 8, 10	2	Three-story brick	Loss $1,467.37; recall 1.39 A.M.; unknown.
Monday 18	531	.....	6.05	183 Columbia avenue.	P. J. Dill.	Cabinetmaker.	2, 8, 10	2, 4	Three-story brick	Loss $3,200.00; recall 7.57 P.M.; supposed upsetting of a lantern by boy.
2d alarm.		.....	6.16	185 " "	F. Dehn.	Storage for oil.			Frame shed.	
				187 " "	M. E. Winkler.	Cigar store.			Three-story brick	
				189 " "	W. Shuler.	Dwelling.			" " "	
				901 Barre street.	J. Duffering.	Dwelling.			" " "	
				903 " "	G. W. Stauffer.	Carpenter shop			" " "	
Monday 18	214	.....	8.28	25 Temple street.	L. H. Neudecker.	Stable.	3, 4	1	Two-story brick.	Loss $62.00; recall 9.15 P. M.; unknown.
Sat'rd'y 23	514	.....	2.45	40 S. Eutaw street.	S. L. Auerback.	Dwelling.	.....	.....	Four-story brick.	Loss $12.00; recall 3.02 P.M.; soot in chimney; extin-

											guishers 2 Engine and 2 Hook and Ladder Cos.
Saturd'y 2	61	.....	6.14	York street near William street.	E. Stable', jr., & Co.	Kindling wood mill.	2, 4, 12	2	Two-story frame.	Loss $575.00; recall 8.29 P.M.; heat from boiler.
Monday 25	417	1.05	.....	227 S. Greene street.	Wm. Winternitz.	Dwelling.	10	2	Three-story brick	Loss $350.00; recall 2.01 A.M.; defective flue.
Monday 25	243	10.29	.....	900 E. Monument st.	T. Joiner.	Dwelling.	....	.....	Three-story brick	Loss $50.00; recall 10.41 A.M.; children playing with matches; extinguishers 6 and 9 Engine and 1 Hook and Ladder Cos.
Saturd'y 30	416	2.00	.....	466 W. Baltimore st.	Joseph Hess.	Restaurant and cigar store.	1, 2, 8, 10	2	Two-story frame.	Loss $1,944.82; recall 3.39 A.M.; sparks from open grate.
November.										
Monday 1	157	9.32	.....	903 S. Caroline street.	I. S. Filbur.	Wood shed.	....	.....	One-story frame.	Loss $5.00; recall 9.55 A.M.; overboiling kettle of pitch; extinguishers 3 and 5 Engine and 3 Hook and Ladder Cos.
Tuesday 2	231	.....	11.48	620 N. Eden street.	P. Meehan.	Coffee-roasting establishm't.	6, 9	3	One-story frame.	Loss $4,120.00; recall 1.26 A.M., Wednesday, Nov. 3; sparks from furnace.
Wedn'y 3	13	2.35	.....	S. E. corner of Pratt	John R. Hudgins	Feed store.	1, 2, 3, 4, 5, 6,	1, 2, 4	Four-story brick.	Loss $8,075.29; recall
2d alarm.		2.40		street and McElderry's Wharf.	& Co.		7, 8, 9			12.22 P.M.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1836—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Co's.	Style of Buildings.	Remarks.
November.										
Wed'y 3	12	10.43	.....	N. E. corner Baltimore and Holliday streets.	Paul & Jordan.	Restaurant.	.....	.....	Three-story brick	Loss $50.00; recall 10.56 A.M.; explosion of gasoline stove; extinguishers 10 Engine Co.
Wed'y 3	71	.....	1.15	Foot of Burrough st.	Walker Horseshoe Company.	Horseshoe manufactory.	2, 10, 12	2	One-story brick.	Loss $43,832.10; recall 4.57 P.M.; unknown.
2d alarm.		.....	1.30							
Saturday 6	45	11.25	.....	1635 Lexington street.	Raphael Wolf.	Sausage factory.	.....	.....	One-story frame.	Loss $150.00; recall 11.52 A.M.; heat from stove; extinguishers 8 Engine and 4 Hook and Ladder Cos.
Sunday 7	531	2.32	.....	N. E. corner Barre and St. Peter sts.	Wm. Heinekamp & Son.	Piano factory.	1, 2, 3, 4, 5, 6, 7, 8, 10, 12	2, 4	Five-story brick.	Loss $18,837.56; recall 1.55 P.M.; unknown.
2d alarm.		2.37								
3d alarm.		2.57								
Sunday 7	147	.....	5.42	Eden near Aliceanna streets.	J. R. Hudgins & Co.	Loose hay and straw storage.	11	3	Open lot.	Loss none; recall 6.28 P.M.; rekindling after being removed from Pratt street.
Monday 8	143	5.29	.....	140 E. Pratt street.	Wm. Frederick.	Cigar store and dwelling.	.....	.....	Three-story brick	Loss $237.00; recall 6.10 A.M.; overheated stove.

Monday	8	531	.....	10.19	634 S. Fremont street.	C. Schmidt.	Shoe store and dwelling.	.....	.....	.....	Three-story brick	Loss none; recall 10.32 P.M.; coal-oil lamp falling; extinguishers 10 Engine Co.
Wedn'y	10	123	.....	8.19	45 West Pratt street.	C. White & Co.	Ship chandlers.	.....	.....	.....	Three-story brick	Loss $225.00; recall 9.15 P.M.; unknown; extinguishers 3 and 4 Engine and 1 Hook and Ladder Cos.
Thursd.	11	318	.....	6.59½	47 Lexington street.	L. Lashon.	Lawyers' offices.	.....	.....	.....	Four-story brick.	Loss $100.00; recall 7.20 P.M.; hot ashes in a wooden box; extinguishers 4 Engine and 2 Hook and Ladder Cos.
Friday	12	157	7.46	.....	Brown's wharf.	Baltimore Compress Company.	Storage for cotton.	5	3	Three-story brick		Loss $500.00; recall 9.18 A.M.; unknown.
Friday	12	543	.....	7.30	211 William street.	G. Durney.	Dwelling.	.....	.....	.....	Three-story brick	Loss none; recall 7.43 P.M.; party saw smoke issuing from a window.
Saturd'y	13	42	1.03	.....	180 Lexington street.	M. Lashon.	Notion store.	.....	.....	.....	Three-story brick	Loss $700.00; recall 1.33 A.M.; unknown; extinguishers 1 Engine and 2 Hook and Ladder Cos.
Sunday	14	143	.....	12.59	1007 and 1009 East Pratt street.	Baron & Kraus.	Cigar factory.	3, 4, 9, 11	1, 3	Four-story brick.		Loss $16,052.13; recall 3.34 P.M.; unknown.
2d alarm.			.....	1.06								

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
November.										
Sunday 14	71	.....	1.22	Fort avenue and Burrough street.	W. Woodall.	Ship yard.	12	.....	One-story frame.	Loss $30.00; recall 1.36 P.M.; overheated stove.
Wedn'y 17	526	11.21	.....	92 Camden street.	Burrough & Bro.	Drug and medicine manufactory.	1, 2, 3, 4, 5, 6, 7, 10, 12, 13	1, 2, 4	Four-story brick.	Loss $32,189.26; recall 6.30 P.M.; alcohol taking fire from gas jet; Firemen Charles L. Grund and Henry Ryan, of No. 2 Engine Co., and F. D. Kerr, of No. 6 Engine Co., killed.
2d alarm.	....	11.27								
3d alarm.	....	11.43								
Wedn'y 17	431	.....	8.14	463 West Pratt street.	J. A. Fritter & Co.	Furniture	1, 2, 3, 4, 5, 7, 8, 10, 12, 13	1, 2, 4	Four-story brick.	Loss $94,111.16; recall 10.00 A.M. Thursday, 18th; heat from furnace.
2d alarm.	....	.....	8.20	465 " " "	F. G. Tinley & Bro.	factory. Sash "			" " "	
3d alarm.	....	.....	8.21	467 " " "	B. J. Sparklin.	Sash "			" " "	
				469 " " "	Irving Buck.	Desk "			" " "	
				471 " " "	Bailey & Bro.	Sash "			" " "	
				Dover, near Fremont.	G. A. Mills.	Furniture "			Five-story brick.	
Thursd. 18	5	4.48	.....	S. W. corner Baltimore and Light sts.	Mabley & Carew.	Clothing store.	3, 4	1, 3	Four-story brick.	Loss $1,500.00; recall 6.23 A.M.; unknown.
Thursd. 18	272	5.59	.....	East Biddle street extended.	D. Donnelly.	Brick kiln.	.....	.....	.....	Loss $60.00; recall 6.20 A.M.; heat

											from brick setting fire to cover.
Friday	19	431	.....	4.15	463 W. Pratt street.	J. A. Fritter & Co.	Furniture factory.	10	2	Four-story brick.	Loss none; recall 8.30 A.M., Saturday, November 20; re-kindling of former fire.
Saturd'y	20	624	.....	12.02	N. W. corner West and Sharp streets.	H. S. Brewington & Co.	Tinware factory.	2	2	Three-sto'y brick	Loss $50.00; recall 12.52 P.M.; heat from boiler.
Thursd.	25	121	.....	4.06	111 South street.	E. A. Holman.	Commission warehouse.	1,2,3,4,5,6,7, 9, 10, 12, 13	1, 2, 3	Four-story brick.	Loss $6,311.65; recall 7.29 P.M.; unk'wn.
Gen. alarm			.....	4.15½							
Thursd.	25	158	.....	10.55	1415 Eastern avenue.	David Hart.	Restaurant and dwelling.	.....	.....	Three-story brick	Loss $10.00; recall 11.08 P.M.; explosion of coal-oil lamp; extinguishers 3 Hook and Ladder Co.
Friday	26	31	.....	5.46	117 N. Calvert street.	H. Hannibal.	Saloon and dwelling.	.....	.....	Three-story brick	Loss $25.00; recall 6.10 P.M.; sparks from chimney; extinguishers 3, 4, and 6 Engine and 1 Hook & Ladder Cos.
Friday	26	247	.....	7.33	262 N. Gay street.	Jos. Sauerwald.	Basket factory and dwelling.	.....	.....	Three-story brick	Loss none; recall 7.47 P.M.; smoke seen coming out of a window.
Sunday	28	531	.....	9.37	307 S. Paca street.	John Burney.	Dwelling.	.....	.....	Three-story brick	Loss $10.00; recall 9.50 P.M.; children playing with matches; extinguishers 10 Engine Co.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
November.										
Tuesday 30	81	8.04	.....	30 Garrett stree .	P. Mahany.	Dwelling.	.....	.....	Three-story brick	Loss $5.00; recall 8.35 A.M.; children playing with matches; extinguishers 12 Engine Co.
Tuesday 30	419	.....	8.50	71 N. Eutaw street.	William Marks.	Notion store.	.....	.....	Three-story brick	Loss $65.00; recall 9.40 P.M.; unknown; extinguishers 1, 2, and 7 Engine and 2 Hook and Ladder Cos.
December.										
Wedn'y 1	61	4.58	.....	12 York street.	Balla & Rumpt.	Restaurant and dwelling.	.....	.....	Three-story brick	Loss $47.00; recall 5.39 A.M.; overheated stove; extinguishers 2 Engine and 2 Hook and Ladder Cos.
Thursd'y 2	73	.....	1.04	Piers 31 and 32 Locust Point.	Patterson & Ramsay.	Cotton "lighter."	12	2, 3	Scow loaded with 200 bales of cotton.	Loss $4,000.00; recall 7.55 P.M.; sparks from tugboat.
Friday 3	421	.....	1.23	206 Myrtle avenue.	Mrs. Louisa Bruce	Dwelling.	.....	.....	Three-story brick	Loss $20.00; recall 1.45 P.M.; explosion of escaping gas; extinguishers

Friday	3	62	.....	3.33	154 West street (in the rear).	J. Gebhart.	Stable.	.....	.....	.....	One-story frame.	1 Engine and 2 Hook & Ladder Cos. Loss $3.00; recall 3.52 P.M.; unknown.
Friday	3	6	.....	6.01	112 S. Calvert street.	H. K. Poulson & Co.	Commission warehouse.	2, 3, 4	1, 2	Three-story brick		Loss $875.00; recall 7.26 P.M.; unknown.
Friday	3	461	.....	8.47	65 S. Parrish street.	R. Lavitsky.	Grocery and dwelling.	10	2	Two-story brick.		Loss $900.00; recall 10.14 P.M.; falling of gasoline lamp.
Saturday 4 2d alarm.		414	4.48 4.52	.....	200 West Lombard street.	Darby & Co.	Candy manufactory.	1, 2, 4, 6, 7, 8, 10	1, 2, 4	Three-story brick		Loss $3,100.00; recall 7.21 A.M.; unknown.
Saturday 4		213	8.57	.....	6 Low street.	Heywood Bros.	Chair manufactory.	.....	.....	.....	Five-story brick.	Loss none; recall 9.06 A.M.; defective flue; extinguishers 3, 6, and 9 Engine and 1 Hook and Ladder Cos.
Sunday	5	315	11.32	.....	14 West Monument street.	George Small.	Dwelling.	.....	.....	.....	Four-story brick.	Loss $10.00; recall 11.56 A.M.; foul chimney.
Monday	6	16	.....	3.45	227 S. Wolfe street.	J. Sutton and others.	Tenement house.	.....	.....	.....	Three-story brick	Loss $20.00; recall 4.06 P.M.; overheated stove; extinguishers 5 Engine and 3 Hook and Ladder Cos.
Tuesday	7	35	3.53	.....	924 N. Eutaw street.	Mrs. Peck.	Dwelling.	7, 8, 13	4	Three-story frame.		Loss $2,584.30; recall, 8.27 A.M.; overheated stove; Mrs. Peck was burned to death.
					926 N. Eutaw street.	J. M. Cormick.	"			Three-story brick		

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's	Style of Buildings.	Remarks.
December.										
Tuesday 7	152	.....	4.21	1604 E. Pratt street.	Mrs. Hayes.	Dwelling.	.....	.....	Three-story brick	Loss $25.00; recall 4.40 P.M.; overheated stove; extinguishers 5 Engine and 3 Hook and Ladder Cos.
Wedn'y 8	451	.....	2.12	Cor. Norris alley and Calhoun street.	M. Lloyd.	Dwelling.	.....	.....	Three-story brick	Loss $50.00; recall 2.44 P.M.; overheated stove; extinguishers 8 and 10 Engine and 4 Hook and Ladder Cos.
Wedn'y 8	524	.....	7.30	No fire.	Light seen by police officer.	.....	.....	.....	.....	Loss none; recall 7.42 P.M.
Thursd. 9	48	7.32	.....	Calverton road, near Bentalou street.	John Sommerfield.	Brewery.	8, 10, 13	4	Three-story brick	Loss $10,000.00; recall 3.20 P.M.; overheated stove, used by painters.
Thursd. 9	232	.....	12.27	S. E. corner Bond and Fayette streets.	Temperance Society.	Religious purposes.	.....	.....	One-story frame.	Loss $15.00; recall 12.50 P.M.; unknown; extinguishers 9 Engine and 3 Hook and Ladder Cos.

Thursd.	9	414	.....	4.48	211 W. German street.	G. W. Switzer.	Restaurant.	.....	.....	.....	Three-story brick	Loss $60.00; recall 5.13 P.M.; gas leak; extinguishers 2 Hook and Ladder Co.
Thursd.	9	351	.....	9.47	1200 N. Eutaw street.	W. L. Roberts.	Dwelling.	.....	.....	.....	Four-story brick.	Loss none; recall 10.01 P.M.; foul chimney.
Sat'rd'y	11	312	5.03	.....	315 Larew alley.	U. A. Pollack.	Furniture factory.	4, 7		2, 4	Three-story brick	Loss $1,350.00; recall 6.51 A.M.; heat from stovepipe.
Sun'day	12	174	.....	1.06	361, 363, and 365 East Pratt street.	B. Link.	Cigar factory.	5		3	Three-story brick	Loss $852.37; recall 1.51 P.M.; overheated register.
Monday	13	314	9.49	.....	S. E. cor. Eutaw and Franklin streets.	R. B. Winder, "Dean."	Dental College.	.....	.....	.....	Four-story brick.	Loss none; recall 10.07 A.M.; foul chimney.
Tuesday	14	417	3.00	.....	505 W. Pratt street.	M. Rosenheim.	Clothing store.	.....	.....	.....	Four-story brick.	Loss $550.00; recall 3.30 A.M.; unknown; extinguishers 2 Engine and 2 Hook and Ladder Cos.
Wedn'y	15	143	1.56	.....	1130 E. Pratt street.	C. Kopler.	Dwelling.	3		3	Three-story brick	Loss $595.10; recall 3.18 A.M.; overheated stove.
Wedn'y	15	451	.....	1.31	1034 Edmondson ave.	John Burrows.	Dwelling.	.....	.....	.....	Three-story brick	Loss $325.00; recall 1.51 P.M.; children playing with matches; extinguishers 8 and 13 Engine and 4 Hook and Ladder Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Continued.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Cos.	Style of Buildings.	Remarks.
December.										
Thursd. 16	62	.....	4.52	315 Light street.	R. M. Harrison.	Grocery store and dwelling.	.....	.....	Three-story brick	Loss $25.00; recall 5.31 P.M.; overheated stovepipe; extinguishers 2 and 12 Engine and 2 Hook and Ladder Cos.
Thursd. 16	418	12.15	.....	North Howard street.	Police officer heard an explosion.	.....	.....	.....	.....	Loss none; recall 12.22 A.M.; no fire.
Sunday 19	28	6.55	.....	Corner Oliver street and Collington ave.	D. Donnelly.	Brickyard.	9	3	Shed.	Loss $100.00; recall 8.05 A.M.; overheated kiln.
Tuesday 21	161	.....	2.37	1804 Aliceanna street.	J. Sereth.	Grocery store and dwelling.	.....	.....	Three-story brick	Loss $15.00; recall 2.52 P.M.; children playing with matches; extinguishers 3 and 5 Engine and 3 Hook and Ladder Cos.
Friday 24	215	4.27	.....	N. E. corner East and Douglas streets.	A. Buchshoff.	Restaurant.	3, 6	1	Three-story brick	Loss $543.00; recall 5.55 A.M.; supposed incendiary.
Friday 24	45	11.21	.....	212 Arlington ave.	Matt Hogan.	Dwelling.	.....	.....	Three-story brick	Loss $225.00; recall 11.43 A.M.; chil-

										dren playing with matches; extinguishers 8 and 13 Engine and 4 Hook and Ladder Cos.
Friday	24	418	.....	11.30	132 Lexington street.	M. Goldenberg.	Millinery store.	.....	2	Four-story brick.	Loss $5.00; recall 11.37 P.M.; electric light wire set fire to cornice.
Saturd'y	25	184	12.03	.....	Canton Hollow.	T. B. Schall.	Schooner *T. B. Schall.*	5, 11	3	.....	Loss $1,200.00; recall; 3.51 A.M.; overheated stove in galley.
Sunday	26	162	3.40	.....	Corner Thames and Ann streets.	Pilots' Association.	Shipping office.	.....	.....	Three-story brick	Loss $15.00; recall 4.00 A.M.; incendiary; extinguishers 5 Engine and 3 Hook and Ladder Cos.
Monday	27	8	1.00	.....	Cuba street.	James Kennedy.	Stable.	12	2	Two-story frame.	Loss $622.80; recall 2.21 A.M.; supposed incendiary.
Monday	27	426	8.19	.....	9 North Carey street.	J. Steitsendaffer.	Dwelling.	.....	.....	Three-story brick	Loss none; recall 8.32 A.M.; foul chimney.
Tuesday	28	156	.....	7.00	83 Thames street.	Chesapeake Pilots' Association.	Dwelling.	.....	.....	Four-story brick.	Loss $37.00; recall 7.19 P.M.; overheated stove; extinguishers 5 Engine and 3 Hook and Ladder Cos.
Wedn'y	29	54	.....	1.23	131 York street.	L. Goldsborough.	Dwelling.	.....	.....	Three-story brick	Loss $70.00; recall 1.54 P.M.; defective flue; extinguishers 2 Engine Co.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1886—Concluded.

Date.	Box.	Hour, A.M.	Hour, P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Hook and Ladder Company's.	Style of Buildings.	Remarks.
December.										
Wedn'y 29	24	.....	6.40	44 Low street.	L. Milliman & Bros.	Cigar manufactory.	6	1	Two-story brick.	Loss $597.00; recall 7.45 P.M.; overheated stove.
Thursd. 30	42	3.55	.....	124 N. Eutaw street.	Mrs. Van Witson.	Cigar store and dwelling.	....	.....	Three-story brick	Loss $281.00; recall 5.09 A.M.; hot ashes in wooden box; extinguishers 1, 2, 7, and 10 Engine and 2 Hook and Ladder Cos.
Friday 31	124	.....	11.26	22 and 24 Bowly's wharf.	J. Hart & Co.	Fruit warehouse.	1, 2, 3, 4, 5, 6, 7	1, 2	Five-story brick.	Loss $8,730.20; recall 3.55 A.M., January 1, 1887; overheated gas stove.
2d alarm.		.....	11.34							

Total Fires and Alarms for year 1886	268—Loss...	$890,760	58
Total Telephone Alarms and Silent Fires	170—Loss...	5,766	54
	438	$896,527	12

LOCATION OF COMPANIES

—AND—

COMPANIES' SUPPLIES.

ENGINE COMPANY No. 1,

Located on Paca Street, north of Fayette.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Chas. E. Freeburger..	39	Engineman..	11 years. ..	111 Pearl street.....	Machinist.
Thos. H. Meushaw...	30	Ass't Eng'n..	2 " ...	13 Pearl street.....	Machinist.
Lewis J. Fresh.....	43	Driver	15 " ...	107 Pearl street.....	Driver.
Charles Minton.....	33	Fireman	7 " ...	206 Jasper street....	Cigarmaker.
Charles H. Baker.....	34	"	7 " ...	303 N. Pine street....	Sealemaker.
Members at Call.					*Occupation.*
Jacob H. Hayward....	63	Captain.....	24 " ...	631 W. Fayette street.	Painter.
Edward R. Addison...	39	Fireman	12 " ...	228 Amity street.....	Machinist.
John J. Robinson.....	33	"	3 " ...	1008 Milton Place....	Carpenter.
John H. Osing.....	38	"	2 " ...	303 Pearl street.....	Tinner.
George W. Minton....	25	"	5 months.	200 N. Howard street.	Packer.
William A. Meushaw.	34	"	2 " ...	803 S. Fremont street.	Mariner.
Philip L. Brady.....	24	"	1 month .	867 Ramsay street....	Iron Worker.

ENGINE COMPANY No. 2,

Located on Barre Street, west of Sharp Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Thomas E. Wheatly	46	Engineman	18 years	528 Lee street	Machinist.
Samuel W. Stansbury	35	Ass't Eng'n	11 "	406 Hanover street	Machinist.
John E. Kirby	24	Driver	2 "	926 Columbia avenue	Driver.
Charles H. Hammel	33	Fireman	1 month	404 Sharp street	Plumber.
Alfred Squires	44	"	12 years	1109 Race Street	Carpenter.
Members at Call.					*Occupation.*
John J Leddon	36	Captain	9 "	713 Ramsay street	Clerk.
Thomas S. Rodenhi	50	Fireman	27 "	503 S. Howard street	Chairmaker.
Charles Romoser	49	"	17 "	608 S. Sharp street	Gas Fitter.
James Humes	43	"	18 "	137 Lee street	Glasscutter.
Charles Causey	33	"	9 "	4 Henrietta street	Canmaker.
Jacob Hindes	61	"	18 "	840 W. Lombard street	Chairmaker.
Louis Abel	34	"	1 month	500 Lee street	Baker.

ENGINE COMPANY No. 3,

Located on East Lombard Street, near High.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Thomas H. Humphries	43	Engineman	14 years	112 S. Exeter street	Machinist.
Patrick F. Moriarty	36	Ass't Eng'n	12 "	910 E. Lombard street.	Machinist.
John F. Pierce	43	Driver	11 "	6 N. Exeter street	Driver.
Martin Kirby	42	Fireman	4 "	306 S. Exeter street	Trunkmaker.
William F. Pasterfield.	32	"	5 "	1138 E. Lombard street	Plumber.
Members at Call.					*Occupation.*
Richard A. Lindsay	43	Captain	14 "	919 Stiles street	Paperhanger.
James L. Lindsay	45	Fireman	8 "	230 S. Exeter street	Paperhanger.
Allen Orem	36	"	5 "	904 E. Lombard street.	Painter.
William H. Hartman.	28	"	4 "	1127 E. Pratt street	Plumber.
George C. Hodges	43	"	4 "	10 S. Central avenue	Painter.
William F. Dauterich.	29	"	3 "	108 S. Ann street.	Driver.
John R. Battee	36	"	13 "	1422 E. Lombard street	Bricklayer.

ENGINE COMPANY NO. 4,

Located on Lexington Street, west of North Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Frank K. Conway	35	Engineman	14 years	208 N. Front street	Machinist.
John Gaffney	31	Asst. Eng'n	10 "	407 N. Paca street	Machinist.
Andrew J. Connelly	31	Driver	8 "	325 Pearl street	Driver.
Fielding H. Lucas	35	Fireman	6 "	704 Chase street	Type Molder.
Constant Seibert	35	"	5 "	1101 Laurel street	Hostler.
Members at Call.					*Occupation.*
George W. Horton	41	Captain	24 "	404 Chestnut street	Wireworker.
George W. Bentz	46	Fireman	18 "	135 Mulberry street	Mess. to B'd Com.
James Allen	40	"	14 "	610 Barre street	Printer.
Earnest Schultz	34	"	9 "	1247 Holland street	Tinner.
Joseph H. Dailey	34	"	6 "	14 Watson court	Stonecutter.
Wilmer West	43	"	17 "	524 N. High street	Tinner.
James Burke	35	"	3 "	606 Ensor street	Morocco Finisher.

ENGINE COMPANY No. 5,

Located on Ann Street, near Gough Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Frederick L. Nelson	39	Engineman	12 years	404 S. Ann street	Machinist.
John Linderman	39	Ass't. Eng'n	6 "	2036 Bank street	Machinist.
Henry Murphy	35	Driver	7 "	254 S. Ann street	Sugar-refiner.
William B. Baker	29	Fireman	5 "	208 S. Ann street	Brass Finisher.
William M. Burns	31	"	6 "	1730 Gough street	Cannmaker.
Members at call.					*Occupation.*
William G. Miller	63	Captain	18 "	1627 Gough street	Carpenter.
James F. Reilly	34	Fireman	7 "	1626 E. Lombard street	Painter.
Julius O. Krauch	51	"	14 "	1807 Gough street	Tinner.
William T. Disney	37	"	12 "	252 S. Ann street	Bricklayer.
Benjamin Price	42	"	7 "	1608 E. Fayette street	Coffee Roaster.
Charles E. De Witt	36	"	2 "	15 S. Ann street	Carpenter.
James T. Pearl	30	"	3 months	434 Patterson Park ave	Tobacco Worker.

ENGINE COMPANY No. 6,

Located at the intersection of Gay and Ensor Streets.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Matthew Mulligan	49	Engineman	16 years	803 E. Eager street	Machinist.
Cornelius P. Kuhan	41	Asst. Eng'n	7 "	812 Harford avenue	Machinist.
John Clark	33	Driver	2 "	514 Ensor street	Hostler.
J. Oscar Healey	51	Fireman	26 "	1036 E. Monument st.	Carpenter.
Lawrence Blake	41	"	15 "	1106 Thompson street.	Painter.
Members at Call.					*Occupation.*
Bernard Shaw	58	Captain	11 "	423 N. Exeter street	Stonecutter.
George Mineburg	44	Fireman	15 "	218 N. Central avenue.	Barber.
James Gallagher	37	"	6 "	231 N. Exeter street	Plumber.
Charles Betz	33	"	2 "	1113 Orleans street	Boot & Shoemak'r
F. C. H. Berger	30	"	9 months.	517 Ensor street	Saloon Keeper.
Samuel McClaskey	39	"	1 "	108 E. Monument st	Plasterer.

ENGINE COMPANY No. 7,

Located on Eutaw Street, corner of Druid Hill Avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Jacob S. Corns	34	Engineman	7 years	729 N. Eutaw street	Machinist.
Thomas S. Brown	27	Ass't Eng'n	1 "	447 Druid Hill avenue.	Machinist.
Francis B. Hart	37	Driver	1 "	588 Preston street	Hostler.
William F. Morrow	37	Fireman	9 "	726 N. Eutaw street	Painter.
John J. Houck	36	"	7 "	448 W. Biddle street	Machinist.
Members at Call.					*Occupation.*
George H. Houck	58	Captain	25 "	731 N. Eutaw street	Railroad Agent.
John H. Gildea	60	Fireman	27 "	1018 N. Eutaw street	Driver.
Henry Walker	39	"	13 "	221 N. Carrollton ave.	Painter.
Louis B. Scheive	34	"	14 "	606 N. Eutaw street	Paperhanger.
Samuel A. Seymour	26	"	1 "	411 N. Pine street	Canmaker.
William A. Larkins	24	"	7 months	923 Ramsay street	Carpenter.

ENGINE COMPANY No. 8,

Located on Mulberry Street, east of Oregon Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Michael F. Walsh	35	Engineman	12 years	1102 W. Fayette street.	Machinist.
John Conway	31	Asst. Eng'n	4 "	1102 W. Fayette street.	Machinist.
William J. Stewart	36	Driver	12 "	82 Arlington avenue	Tinner.
G. R. Chapman	54	Fireman	15 "	792 Mulberry street	Shoemaker.
Members at Call.					*Occupation.*
Edward C. Keyser	36	Captain	10 "	58 Pitcher street	Canmaker.
A. J. Walter	49	Fireman	15 "	587 Saratoga street	Cigarmaker.
Owen D. Burgess	49	"	15 "	493 Lexington street	Silverplater.
Frederick Johnston	43	"	11 "	414 Mulberry street	Carpenter.
Howard Scott	33	"	7 "	812 Mulberry street	Bricklayer.
Charles Airey	35	"	2 "	103 Mulberry street	Cigarmaker.
James Gill	40	"	7 "	29 Brune street	Molder.

ENGINE COMPANY No. 9,

Located on Madison Street, east of Broadway,

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Daniel R. Rogers.....	40	Engineman..	15 years...	1706 E. Madison street.	Machinist.
William H. Stanton...	38	Ass't Eng'n..	9 " ...	907 N. Broadway....	Machinist.
Joseph P. Kelly.....	43	Driver	4 " ...	240 Albemarle street.	Hostler.
James McDevitt.....	44	Fireman.....	15 " ...	1705 E. Madison street.	Harnessmaker.
Lemuel Piercey.....	30	"	6 " ...	712 N. Caroline street	Laborer.
Members at Call.					*Occupation.*
David H. Macaulay...	60	Captain.....	26 " ...	1211 N. Eden street..	Painter.
Solomon Uhlfelder...	43	Fireman.....	15 " ...	1807 E. Madison street	Huckster.
Charles Fry.....	34	"	10 " ...	1607 E. Madison street	Huckster.
William E. Burrier...	34	"	6 " ...	1803 E. Madison street	Laborer.
John H. Cruse.....	54	"	7 " ...	809 Ensor street.....	Cigarmaker.
Charles C. Neilson...	33	"	8 " ...	1816 E. Madison street	Bricklayer.

ENGINE COMPANY No. 10,

Located on Columbia Avenue, near Poppleton Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
John W. Walsh	37	Engineman	10 years	1115 W. Baltimore st.	Machinist.
James Nugent	30	Ass't Eng'n	3 "	1419 S. Poppleton st.	Machinist.
George W. Thorpe	36	Driver	7 "	889 Lemon street	Hostler.
Jesse G. Keilholtz	41	Fireman	13 "	896 W. Lombard street.	Mantel Setter.
Members at Call.					*Occupation.*
William R. Ward	42	Captain	13 "	124 S. Calhoun street.	Carpenter.
Benjamin F. Seip	33	Fireman	6 "	821 McHenry street	Plumber.
William Brady	32	"	4 "	332 S. Poppleton street	Cigarmaker.
Samuel W. Marker	36	"	6 "	206 Arlington avenue.	Carpenter.
Jacob J. Brady	28	"	18 months.	887 Ramsay street	Cigarmaker.
Richard E. Disney, jr.	27	"	2 years	916 S. Paca street	Painter.
James Scott	32	"	10 months.	928 W. Pratt street	Trunkmaker.

ENGINE COMPANY No. 11,

Located on Eastern Avenue, corner of Patterson Park Avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
John Calder	40	Engineman	16 years	2108 Gough street	Machinist.
A. M. Minniegue	39	Ass't Eng'n	4 "	1935 Gough street	Machinist.
William H. Dunn	35	Driver	2 "	519 N. Paca street	Hostler.
Thomas Kane	36	Fireman	4 "	2011 Pleasant alley	Laborer.
Members at Call.					*Occupation.*
Andrew Perry	59	Captain	25 "	2004 Gough street	Pattern Maker.
H. R. Seippel	37	Fireman	12 "	434 Patterson Park av.	Barber.
James D. Danels	47	"	17 "	316 S. Chester street	Scroll Sawyer.
Albert H. Geir	32	"	8 "	126 S. Chapel street	Painter.
Charles P. Nelson	44	"	10 "	105 S. Chester street	Carpenter.
Patrick F. Bradley	42	"	18 "	924 Fawn street	Carpenter.
Richard V. Pittinger	38	"	7 "	408 S. Collington ave.	Carpenter.

ENGINE COMPANY No. 12,

Located on Fort Avenue, corner of Johnson Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Michael Lycett.....	40	Engineman..	14 years...	1417 Battery avenue..	Machinist.
Thomas S. Atkinson..	37	Asst. Eng'n..	6 " ...	159 Johnson street...	Machinist.
Joseph W. Moon.....	36	Driver	8 " ...	1501 Battery avenue..	Laborer.
Edward C. Klessell...	34	Fireman	5 " ...	162 Johnson street...	Gilder.
Herman Borcherding.	38	" ...	18 months.	1527 William street ..	Excavator.
Members at Call.					*Occupation.*
William Schulte.....	32	Captain.....	7 years...	1320 S. Charles street.	Carpenter.
Thomas Fitzpatrick..	49	Fireman	7 " ...	82 Cross street.....	Tinner.
Benjamin T. Wirts...	46	"	18 " ...	44 Poultney street..	Collarmaker.
Henry Seeback.....	35	"	12 " ...	439 W. Pratt street..	Laborer.
Geo. Mackenhammer.	49	"	1 year....	186 Johnson street..	Cigarmaker.
James Catterton.....	38	"	2 months.	334 William street..	Painter.

ENGINE COMPANY No. 13,

Located at the intersection of Fremont Street and Myrtle Avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
John H. Deal	44	Engineman	15 years	1519 Myrtle avenue	Machinist.
John A. Bannon	43	Asst. Eng'n	9 "	425 N. Poppleton street	Machinist.
Thomas H. Wright	32	Driver	18 months.	1608 Mulberry street	Driver.
Julian Massieu	28	Fireman	2 years	2131 Division street	Driver.
Members at Call.					*Occupation.*
John Hoffman	39	Captain	10 "	1507 Myrtle avenue	Canmaker.
Philip Bowen	35	Fireman	9 "	1112 Pennsylvania ave	Cigarmaker.
Lawrence Pistel	37	"	14 "	1544 Argyle avenue	Cigarmaker.
Wilbur Pierce	29	"	3 "	1434 Argyle avenue	Molder.
James Keyser	43	"	3 "	658 Pitcher street	China Packer.
William R. La Shorne	40	"	14 "	1628 N. Fremont street	Upholsterer.
Wesley S. Lilly	41	"	15 "	670 W. Saratoga street	Carpenter.

HOOK AND LADDER COMPANY No. 1,

Located on Harrison Street, near Fayette Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
John R. Farr	38	Tillerman	12 years	200 Harrison street	Driver.
John T. Mulligan	27	Driver	3 "	4 N. Exeter street	Driver.
George W. Haskell	41	Ladderman	10 "	1113 Thompson street.	Carpenter.
John B. Keene	47	"	21 "	1207 N. Eden street	Carpenter.
Alexander D. Chrismer	40	"	9 "	1237 McElderry street.	Machinist.
Wm. E. Van Rossum.	38	"	2 "	610 N. Caroline street.	Driver.
Members at Call.					*Occupation.*
William M. Dunn	31	Captain	9 "	143 N. Front street	Collector.
Frederick Oelman, jr.	29	Ladderman	5 "	14 N. Front street	Blacksmith.
Albert Ramia	31	"	3 "	106 Water street	Restaurant.
Wm. R. E. L. Mears	26	"	3 "	135 N. Gay street	Undertaker.
Albert D. Cassedy	25	"	3 "	202 N. Front street	Machinist.
Thomas B. Strahan	39	"	6 "	185 N. Front street	Currier.

HOOK AND LADDER COMPANY No. 2,

Located on Paca Street, near Fayette Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Charles Rolf	31	Tillerman	8 years	210 N. Pearl street	Boxmaker.
Thomas Montgomery	45	Driver	16 "	119 N. Paca street	Driver.
John W. Blake	50	Ladderman	16 "	16 S. Paca street	Machinist.
William H. Quigley	31	"	7 "	107 N. Poppleton st	Carpenter.
Chas. E. Eichelberger	38	"	12 "	110 N. Pine street	Painter.
Lewis Cook	33	"	5 "	907 Peirce street	Stonecutter.
Members at Call.					*Occupation.*
Frederick A. Marston	47	Captain	16 "	517 Townsend street	Painter.
Thomas Wagner	44	Ladderman	18 "	104 Diamond street	Blacksmith.
Frederick Brannan	37	"	7 "	617 N. Paca street	Harnessmaker.
Thomas Strahler	27	"	5 "	1219 E. Monument st.	Tinner.
William H. Riley	40	"	4 "	1214 E. Madison street.	Painter.
John Wohllebar	33	"	2 "	504 Sarah Ann street.	Plumber.

HOOK AND LADDER COMPANY No. 3,

Located on South Ann Street, near Gough Street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
Louis Laux	30	Tillerman	7 years	1819 Orleans street	Confectioner.
Chas. C. Schoepplein	32	Driver	6 "	1807 E. Bank street	Upholsterer.
John M. Downs	38	Ladderman	16 "	2021 E. Fayette street.	Painter.
T. Benjamin Levey	32	"	21 months.	1839 Orleans street	Painter.
William Baker	29	"	6 years	516 N. Chapel street.	Laborer.
John McClellan	52	"	16 "	1720 Fairmount ave	Sailmaker.
Members at Call.					*Occupation.*
George W. Foxwell	39	Captain	16 "	1911 E. Bank street	Shipwright.
Jesse Vickers	53	Ladderman	12 "	132 S. Ann street	Painter.
John A. Sauers	38	"	7 "	124 S. Bethel street	Cooper.
Andrew German	37	"	15 "	1709 E. Pratt street	Painter.
George Little	44	"	20 months.	1808 Gough street	Painter.
Joshua H. Miller	30	"	14 "	1247 Jackson street	Cigarmaker.

HOOK AND LADDER COMPANY No. 4.

Located on West Biddle Street, near Druid Hill Avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees.					
William White	41	Tillerman	18 years	201 Myrtle avenue	Carpenter.
Joseph Lavender	41	Driver	14 "	245 Pearl street	Carpenter.
John G. Gill	56	Ladderman	27 "	531 W. Fayette street.	Painter.
John H. Morgan	36	"	14 "	22 Pearl street	Paperhanger.
George Wohllebar	27	"	4 months.	448 W. Biddle street	Driver.
August Emerick	24	"	3 years.	123 Pennsylvania ave.	Coal Dealer.
Members at Call.					*Occupation.*
James Kelly	35	Captain	7 "	1 Ellen Place	Plasterer.
Andrew Bilson	35	Ladderman	6 "	649 Myrtle avenue	Plasterer.
George W. Allen	43	"	3 "	530 W. Biddle street	Painter
Patrick Burns	36	"	3 "	929 Druid Hill avenue.	Laborer.
Michael J. McCormick.	28	"	5 months.	926 N. Eutaw street	Brass Finisher.
John Kurne	27	"	2 "	415 W. Hoffman	Shoemaker.

REPORT

OF THE

SUPERINTENDENT

POLICE AND FIRE ALARM TELEGRAPH.

REPORT.

BALTIMORE, January 8, 1887.

To the Honorable Board of Fire Commissioners:

GENTLEMEN:

In submitting my report of the alterations, extensions, and improvements made in this Department during the year 1886, it is peculiarly gratifying to state we have passed through it without accident, having had no other trouble than that to which all telegraph lines are subject.

Below is given a detailed statement of work done each month:

January.—Changed gong from old to new residence of Captain Horton, of Engine Company No. 4. Put gong in residence of Assistant Lineman Nugent, on Columbia avenue.

February.—Changed No. 6 box circuit from house-tops to poles, from Howard and Lexington streets to No. 2 Truck House, Paca street. Re-run No. 2 box circuit, on St. Paul and Light streets, from Fayette to Pratt street. Fixed wires up at Gambrill's flour mills; broken down by sleet storm. Moved forty-foot pole on Central avenue between Preston and Biddle streets; in way of new stable. Re-set pole on Presst-

man street between Druid Hill avenue and Division street that rotted at base.

March.—Moved pole at Mount and Franklin streets, in bed of street. Re-set pole on Columbia avenue near Washington road; rotted off at base. Put up two (2) thirty-five (35) and one (1) forty (40) foot pole, and re-set three old ones near Hampden, on Water Board line; also, run new loop from railroad crossing to Hampden, and put in telephone, by request of Water Engineer Martin. Put up three (3) forty-five (45) and two (2) forty-foot poles near Highlandtown. And raised wires running to Bayview Asylum.

April.—Put up two (2) poles and repaired line along the Marine Hospital shore, that were broken down by falling trees. Removed gong and telephone from residence of Mr. Heiskell, former Fire Marshal. Fixed up line running to House of Correction, and put up telephone. Put new telephone switch in central office, City Hall, to accommodate all wires.

May.—Put up new poles at the following points: Two (2) forty foot, at Richmond street and Plover alley; one forty foot Richmond and Park streets; two (2) forty foot and five (5) thirty-five foot on Presstman street between Madison and Pennsylvania avenues; one forty (40) foot, Pennsylvania avenue, near Presstman street; one thirty-five foot corner Pennsylvania avenue and Fremont street; two (2) forty-five (45) foot on Pennsylvania avenue near Cumberland street; two (2) forty-five (45) and three (3) thirty-five (35) foot on Pennsylvania avenue between Wilson and Presst-

man streets; one (1) forty-five (45) and one (1) forty (40) foot corner Lafayette avenue and Gilmor street; nine (9) thirty-five (35) foot on Presstman street between Pennsylvania avenue and Stricker street; three (3) thirty-five (35) foot on Carey street between Edmondson avenue and Franklin street; one (1) forty (40) foot corner McHenry and Pulaski streets; two (2) forty (40) foot at Monroe and Lombard streets; five (5) forty (40) foot on McHenry street between Gilmor and Monroe streets; two (2) forty (40) foot on Gilmor between Pratt and McHenry streets; two (2) thirty-five (35) foot on Lemon alley between Carey and Calhoun streets; one (1) forty (40) foot corner Carey and Lombard streets; two (2) forty (40) foot on Carrollton avenue between Hollins and Lombard streets; two (2) thirty-five (35) foot on Mulberry and Fremont streets; one (1) forty-five (45) foot corner Parkin street and Lemon alley; one (1) forty-five and one (1) forty (40) foot at Lexington and Green streets; one (1) thirty-five (35) foot corner Eutaw and West streets; two (2) thirty-five (35) foot corner Leadenhall and Stockholm streets; one (1) thirty-five (35) foot corner Light and Gittings streets; one (1) thirty-five (35) foot on Light street near West; eight (8) thirty-five (35) foot on Light street between Fort avenue and railroad crossing; two (2) thirty five (35) foot, Fort avenue and Burrough streets; four (4) thirty-five (35) foot on Cross street between Johnson and Covington streets; one (1) forty (40) foot corner Light and Montgomery streets; one (1) thirty-five (35) foot corner Sharp and Hill streets; three (3) thirty-five (35) foot on Biddle street between Ann and Wolfe streets; one (1) thirty-five (35) foot on Wolfe street near Biddle; three (3)

thirty-five (35) foot on Monument street between Wolfe and Washington streets; two (2) thirty-five (35) foot corner Wolfe and Fayette streets; six (6) thirty-five (35) foot on Patterson Park avenue between Eastern avenue and Baltimore street; one (1) forty (40) foot corner Lombard and Exeter streets; three (3) thirty-five (35) foot on Front street between Gay and Hillen streets; one (1) thirty-five (35) foot corner Valley and Eager streets; one (1) thirty-five (35) foot corner Front and Forrest streets; one (1) forty-five (45) and one (1) forty (40) foot corner Broadway and Pratt street; one thirty-five (35) foot at Baltimore street and Central avenue; two (2) forty (40) foot on Central avenue between Lombard and Pratt streets; one (1) forty-five (45) and one (1) forty (40) foot at Fayette-street bridge; one (1) forty (40) foot on Patterson Park avenue, furnished by Brush Electric Light Company, they having one wire on pole. Took down poles on Lexington, Greene, Gilmor, and Presstman streets, and Pennsylvania and Lafayette avenues. Changed wires to new poles, Richmond street and Plover alley, Monroe and Lombard streets. Changed wires along McHenry street, and put box on new pole Eutaw and West streets. Changed wires and box to new pole, Covington and Cross streets. Run new wire all along Cross street. Changed wires to new poles along Light to Heath street. Changed Marine Hospital wire to new poles. Changed wires and box to new poles on Fort avenue and Burrough street. Run new wire at Hanover and Jephson streets, in place of corroded wire. Changed wires to new poles at Fayette-street bridge. Changed wires to new poles, Lexington and Greene streets, and run our wires over all others.

Changed wires to new poles, Pratt and Broadway. Changed box to new pole and changed wires, running them over electric light wires. Changed wires to new poles on Patterson Park avenue between Eastern avenue and Pratt streets. Changed wires and put box on new pole corner Biddle and Wolfe streets. Straightened and guyed large number of poles in different parts of city. Took slack out of wires all along Madison street. Changed wires along Front street, and put box on new pole corner Front and Hillen streets. Changed pole on Carey street near Franklin, by request of citizens. Put T arm on box pole corner Wyeth and Cross streets, and run new wire. Fixed up wires at Monument street and Plover alley. Put up sixty (60) foot pole and fixed wires corner German and Liberty streets. Put up forty (40) foot pole on German street near Sharp, furnished by Brush Electric Light Company. Trimmed trees and burnt rubbish off wires in all parts of city. Paved around all new poles put up.

June.—Put gong in factory of Fire Inspector Holloway, on Saratoga street. Changed wires to new poles on Charles and Oliver streets; poles furnished by the Baltimore and Ohio Railroad Company. Put up pole on Greene street near Saratoga. Put new eighteen-inch gong in No. 7 Engine House. Put up forty-nine (49) new poles, and extended lines to points designated for new boxes as follows: One (1) forty (40) foot corner Sharp and Camden streets; one (1) forty (40) foot corner Sharp and Cross Streets; two (2) forty (40) foot, West street and Battery avenue; one (1) fifty (50) and two (2) forty (40) foot on Hargrove alley between

Read and Eager streets; four (4) thirty-five (35) foot on Biddle street between Greenmount avenue and Valley street; four (4) thirty-five (35) foot on Front street between Exeter and Forrest streets; five (5) thirty-five (35) foot on Morton alley between Laurens and McMechen streets; one (1) forty (40), one (1) forty-five (45), and six (6) thirty-five (35) foot on Oliver and Dolphin streets between Park and Maryland avenues; one (1) thirty-five (35) foot corner Potomac and Hudson streets; four (4) thirty-five (35) foot on North street between Lanvale street and Boundary avenue; eight (8) forty (40) foot on Washington avenue between Poppleton and Wooster streets; eight (8) thirty-five (35) foot on Baltimore street between Vincent alley and Payson street. Moved 39 box to Pennsylvania avenue and Cumberland street. Changed Water Board line to new poles along Oliver and Dolphin streets. Changed House of Correction line to new poles along Washington avenue. Changed all fire-alarm wires to new poles on Poppleton street and Columbia avenue. Changed all wires to new poles at Cross and Sharp streets; also West and Johnson streets.

July.—Put box 422 on the iron pole of the Brush Electric Light Company, corner of South and Baltimore streets. Run new K K wire on No. 1 box circuit, from Fayette and Gay streets to Lombard and Frederick streets. Changed No. 6 box circuit from housetops to poles from Salvage Corps to Liberty, to Clay, to Park, to Lexington, and Howard streets, using Baltimore and Ohio and Brush electric light poles. Trimmed trees, guyed poles, &c., on Josephine, Saratoga, Mulberry, King, and Fremont streets. Run new

copper wire in pipes leading to boxes in different places. Run new wire in neighborhood of acid works, near Highlandtown, that had been destroyed. Changed House of Correction and Bell wires on Gitting's Bank to clear telephone wires. Changed wires along Elliott street. Changed wires on Chester street to new poles of Brush Electric Light Company. Took out slack and straightened poles in different localities. Put new eighteen-inch gong in Engine Houses 3 and 9 in place of old ones. Gave Water Board line general overhauling, straightened up and reset poles, removed slack, &c.; also, gave Marine Hospital line general clearing out. Trimmed trees on Pennsylvania avenue, McHenry, Marion, and Bentalou streets, and Plover alley. Re-set poles, took up slack, and cleared rubbish off House of Correction line. Run guard wires at different places in the city to protect our wires from those of telephone Companies. Re-set pole on Chestnut street that had rotted at base and blown down.

August.—Moved pole corner Charles and Preston streets, in way of new building. Put new box 249 at Brush Electric Light works, they furnishing all material. Put box 186 at Canton elevator, the Northern Central Railway Company furnishing most of material. Moved box 8 to new pole put up by Baltimore and Ohio Railroad Telegraph. Put gong in residence of Captain Schulte, of No. 12 Engine Company. Raised No. 20 box circuit and Bayview telephone wire at railroad crossing below Highlandtown.

September.—Moved gong and telephone at No. 5 Engine Company on account of repairs to house.

Moved box pole corner Sharp and Camden streets, on account of new building.

October.—Reduced speed and tested all boxes throughout the city. Moved box 526 from Camden street near Sharp to corner Sharp and Camden. Moved pole in front of 52 East Madison street, in way of entrance to coal yard. Run new wire in box 124.

November.—Soldered all connections throughout the city. Painted all new poles and some of old on following streets: Presstman street between Madison avenue and Gilmor street; Lafayette avenue and Gilmor street; Carey street between Edmondson avenue and Franklin street; German street between Liberty and Paca streets; Greene street between Fayette and Saratoga streets; large pole corner Baltimore and South and North and Baltimore streets; Gay street between Saratoga and Chestnut streets; Ensor street between Gay and Monument streets; Patterson Park avenue between Eastern avenue and Lombard street; Sharp street between Camden and Barre streets; Barre street between Sharp and Howard streets; North street between Preston street and Boundary avenue; Presstman and Dolphin streets between Park and Mount Royal avenues; Pratt street between Castle and Wolfe streets. Painted fixtures on City Hall, Odd Fellows' Hall, and Central Police Station. Run new hard-drawn copper wire from City Hall to American building, South and Baltimore streets, in place of old wire that broke down. Finished the police patrol systems for the Eastern and Southern Police districts.

December.—Extended No. 15 box, No. 3 alarm (independent and telephone circuits), to No. 5 Truck House

on Aisquith street. Made changes in police patrol system at Middle Police Station, and moved several patrol boxes. Wires were fixed up at different points, slack taken out, wires raised, trees trimmed, new insulators put on, of which no special mention has been made, because only small quantity of material was used in each instance.

CONDITION OF LINES.

Everything possible was done during the year to put the lines in good condition. Slack has been taken out of the wires, kite-tails, rags, sticks, and other rubbish burnt off, poles straightened, boxes all painted, over one hundred new poles substituted for old, &c.

Wherever necessary poles have been put up tall enough to carry our wires over all others, which prevents considerable trouble experienced during sleet storms by breaking of telephone wires.

PAINTING OF POLES.

All new poles and quite a number of old have been painted, and the difference between the painted and those not painted is marked. The citizens living along the route of our lines do not offer near as much objection to the painted as those not. Besides relieving them of at least a part of the unsightliness, it protects them to some extent from bill posters and advertising agencies.

This policy should be continued until every pole in the Department is painted.

EXTENSION OF LINES.

The lines of this Department have been extended between thirty-five and forty miles during the year, by the addition of new boxes, new truck house, &c.

This does not include the new police patrol systems that were built by the Board of Police Commissioners, and now placed under the supervision of this Department.

This would make nearly four hundred miles of wire within the city limits.

In addition, we have the lines of the Water Department, House of Correction, Quarantine Hospital, and Bayview Asylum.

LOCATION OF KEYS TO ALARM BOXES.

The keys in the neighborhood of fire-alarm boxes have all been located, and a large number of new keys distributed. This was rendered necessary by the removal of persons who had charge of keys, and in many instances where they had been lost.

Signs have also been painted and placed on each box pole, stating where keys can be found.

PAINTING OF BOX POLES.

In New York, Brooklyn, and other cities, all box poles are painted bright red, so they can be distinguished from all others. The attractiveness of the red impresses it upon the mind, and in time of fire is very serviceable in locating the box. I certainly recommend its adoption in this city.

CABLING OF WIRES IN VENTILATOR.

Attention is again called to the bad condition of the wires running from the roof of City Hall through ventilator to cellar, thence to the fire-alarm office.

At present each wire is run separate, and in damp and rainy weather are subject to heavy escape.

This would be remedied by substituting cable, which I earnestly recommend.

UNDERGROUND WIRES.

In obedience to instructions from his Honor the Mayor, I visited the cities of Philadelphia and New York, to investigate the progress of, and to secure such information and facts, as would be useful to our legislators in grappling the most important subject of placing telegraph, telephone, and electric light wires underground.

This question is now being agitated by the press and public of the entire country.

A year has passed since my last inspection, when the wires under ground in the cities of Washington, Philadelphia, New York, and Chicago were reported as working satisfactorily. Nothing has occurred since that time to gainsay the practibility of the underground system; but, to the contrary, the burden of proof points most positively to its successful operation, and to the fact that public opinion will compel all companies to adopt it in the near future.

PHILADELPHIA.

The city of Philadelphia, through its representatives in the councils, passed an ordinance, which was approved by the Mayor, directing all companies to remove their wires and poles from the streets of that city before the 1st of January, 1885.

This law was not complied with by the companies, and a few days before the expiration of the time allowed in the act, the councils passed, and the Mayor approved, what might be termed a stay law, ordering the chief of the electrical department to withhold action in the matter. This was not a repeal of the ordinance, but placed the whole matter with the Board of Highway Supervisors with discretionary powers, and authority to compel compliance on the part of the companies at any time.

Mr. David R. Walker, Chief Electrician and member of the Board of Highway Supervisors stated that action would be taken shortly to enforce the ordinance.

Meanwhile the wires of the police and fire alarm telegraph have all been placed underground for a distance of nine hundred feet on each side of the new City Hall; using five thousand four hundred feet of cable, mostly of the Waring patent, containing from five (5) to twenty-one (21) wires each.

The cable has been subjected to very high tests, with most satisfactory results.

The city has also laid a wooden trough under the sidewalk on Broad street from Columbia to Lehigh

avenues, a distance of one and a-quarter (1¼) miles, through which are run two (2) electric light cables, made by the Standard Cable Company, of Pittsburg, returning through same conduit; making a total of two and a-half (2½) miles.

The lamps and power are furnished by the Brush and other electric light companies.

These cables have been in use night and day for the past year, which is equivalent to two years service, and have given entire satisfaction.

In the same conduit there is a six (6) wire anti-induction cable, one and a-quarter (1¼) miles in length, used for telegraph and telephone purposes, which is laid alongside of the electric light cable with admirable results.

Another cable, twelve hundred (1,200) feet long, is to be laid on Broad street by the city authorities.

The Philadelphia Sectional, running one hundred and eighty (180) arc lights, and the Keystone Incandescent Electric Light Company, with five hundred (500) lights, have all their plant underground, working satisfactorily.

The American Telegraph and Long-Distance Telephone Company have nine thousand (9,000) feet of conduits containing several cables, from five wires upwards, doing excellent work.

The Brooks Underground Construction Company have fifteen hundred (1,500) feet working well.

The Postal Telegraph will have five (5) miles of cable in service in a short time.

An additional ordinance was passed and approved August 5, 1886, giving the Board of Highway Supervisors power to regulate all applications for permission to place wires underground, and to change the route, and make such other alterations as circumstances may require to prevent the laying of unnecessary wires, electrical conductors, conduits, &c., under the streets, and to avoid interference with the water, gas, and sewage system of the city.

All work of this character must be done under the supervision of the Superintendent of the City Telegraph.

One of the strongest arguments in favor of the underground system was given in the city of Philadelphia on Monday, December 29, 1886, at the burning of the Temple Theatre, which caused the loss of several lives, besides the destruction of property valued at a quarter of a million of dollars.

A number of aerial cables were strung over the burning building and the adjoining roofs, besides a perfect network of wires on poles, that greatly impeded the work of the firemen, who tried to attack the flames from the surrounding housetops, but were baffled and delayed at every turn by the wires, thereby causing the loss of time in the early stage of the fire that was invaluable, allowing it to become a great conflagration, ending in terrible disaster.

The *Philadelphia Press* of December 28, referring to this fire, says, editorially:

"Large numbers of wires running over the roofs of the buildings, as well as many strung on poles in the streets, were broken by the firemen in their efforts to get at the fire; and, in some instances, the work of the firemen was impeded by the wires.

"Last night broken and useless wires were coiled in bunches on nearly every building on one side of Chestnut street between Sixth and Eighth streets; scarcely one of the unusual number of wires remained in working order.

"It will take some time and considerable money to put these wires in use again, and added to this must be no small loss to the companies in business, which cannot be done while their lines are disabled. All this would have been avoided had the wires been under ground as they should be.

"These are the events which must appeal most forcibly to the companies themselves, in behalf of underground service.

"While the people at large have other reasons, as well, for wishing the unsightly poles taken down, and the miles of encumbering wires removed, the telegraph and telephone companies ought not to need many expensive experiences like that of yesterday to hasten them to voluntary efforts to get their lines out of danger. Putting aside every public consideration, they cannot well but regard it as a measure of economy.

"The interruption of their business and the repairing of the disabled wires must cost a great deal."

This editorial places the two sides of the question fairly before the public.

In the city of New York the Western Union Telegraph Company have conduits from Dey street to Harlem, in which are laid three kinds of cables. From Dey street to Howard they use Waring cable; from Howard to twenty-third street and Third avenue, gutta percha cable, and from Twenty-third street to Harlem, Kerite cable. The same company have cables containing one hundred and twenty wires on Dey and West streets.

The electrician of the Western Union Company says that company commenced placing their wires underground before the matter was agitated, having had some underground wires since 1867, but claimed they were renewed three times.

He, however, expressed the opinion that the companies would all place their wires underground for their own protection.

The wires of the fire-alarm telegraph have been placed underground on Sixth avenue and Broadway, in the conduits constructed by the Subway Commission, and are working excellently.

The headquarters of the fire-alarm telegraph are now being changed, and all wires to new quarters placed underground.

Mr. J. Elliott Smith, who has charge of this department, warmly advocates the underground system, and has asked the Board of Apportionment to appropriate one hundred thousand dollars per annum, for three years, to place all city wires under the surface.

The Commercial Cable Company have about five (5) miles of cable in use.

Several applications have been made during the past year to the Subway Commission by telegraph and telephone companies for permission to lay wires underground, which has been refused, upon the ground that said companies had forfeited their right to lay separate conduits by failing to comply with the law passed in 1884, providing for the placing of all wires and electrical conductors underground before November 1, 1885.

The neglect of the companies to obey the law resulted in the passage of the act creating the Subway Commission, with authority to enforce the act of 1884.

The law of 1885 declares that in the event the companies fail to submit plans for city subways within sixty days of the organization of the board, it shall be the duty of the commission to devise and cause to be constructed a general plan of conduits, and compel all companies to use subways so constructed.

The Subway Commission, in July, 1886, contracted with the Consolidated Underground Telegraph and Construction Company to build or construct the subways upon the plan decided upon by them.

This calls for the Dorsett system of conduits, which is improved asphaltum and sand-pipe, with two and a-half inch ducts or tubes that will accommodate from fifty to one hundred wires each. There are to be eight hundred miles of ducts, which, on an average of ten (10) ducts to each conduit, would make about eighty miles of subway.

The contract permits the company to charge a rental for each wire or cable, to be subject at all times to revision, alteration, amendment, and reversal by the board of commissioners, which will protect the telegraph companies from exorbitant rates.

Four miles of double conduits have been laid of the plan mentioned, and it is the purpose of the commission to press the company until the entire contract has been completed.

The majority of the telegraph companies have decided to accept the situation, and place their wires in the public conduits as soon as finished.

The year 1887 will, in all probability, see a general clearing out of wires and poles in New York city.

While it is an acknowledge fact that the first cost of placing wires under ground would be considerable, still the great saving in general repairs, the impossibility of accidents from fire, sleet or wind storms, or the destruction of the wires from atmospheric causes, would be extremely favorable to the finances of the companies, and, in time, fully reimburse for the increased outlay.

I must again recommend that positive steps be taken by the proper authorities toward the accomplishment of this most desirable object.

NEW STRIKING APPARATUS.

The new striking apparatus for Big Sam has been placed in the dome of the City Hall by the Gamewell Fire-Alarm Company, of New York.

While it has only been in service a short time, I feel perfectly satisfied it will be up to the standard of that company's work, who, in my judgment, have no superior, if an equal, in their line of business.

KEYLESS FIRE-ALARM BOXES.

The frequent complaint that keys to alarm boxes cannot be had in time of fire, and the consequent delay in sounding the alarm, has resulted in the adoption in Philadelphia, New York, Boston, Chicago,and St. Louis, of what is known as the keyless box.

Instead of a key, the box has a handle similar to that on a carriage door, which turns slowly about half way round, all the time ringing a gong, which can be heard for at least a block, to attract attention and frustrate false alarms. When the door opens the alarm is sent from the box as at present.

This patent device can be attached to any of the boxes now in use, at a moderate expense.

They would be of extraordinary advantage in the business centres, where nearly all warehouses and

stores are closed at dusk, and a key cannot be had except from a policeman.

Information from cities where these boxes are in use speak in glowing terms of their advantages, and state they have never had a false alarm since using them.

ALARM BOXES IN PUBLIC SCHOOLS, FACTORIES, &C.

I deem it a duty to again call attention to the great danger of fire and panic, followed by loss of life, or maiming and crippling of men, women, and children in our public schools, places of amusement, large factories, orphan asylums, &c.

There has been but one fire reported during 1886 in our public school houses, which was extinguished by the members of No. 9 Engine Company, without much loss or undue excitement.

The occurrence of these fires each year are a continual warning of the danger of such an accident to the children of our citizens, who attend these schools to the number of forty-two thousand.

Nearly every family has a child or relative among these pupils, who our representatives are in duty bound to protect as far as possible.

The greatest safeguard known would be the placing of an alarm box in each public school building, connected direct with the different engine houses, to be used only in case of fire in that building.

This would not only locate the fire, but would really notify the firemen of the pressing need of assistance, who would obey the call with all speed possible.

It is but a question of time for this city to be visited by one of those terrible calamities that have befallen others, when the public will demand that this precaution be adopted.

If one accident should be averted it would more than compensate for the outlay.

The cost for introduction would not be more than thirteen thousand dollars ($13,000), while it would not take over five hundred dollars per annum to maintain.

WATER BOARD LINE.

This line is in very good condition, requiring only the general overhauling in the spring, for which a small appropriation will be necessary.

THE MARINE HOSPITAL LINE

has been cleared of all rubbish, trees trimmed, and other obstructions removed. Its service is very satisfactory.

BAYVIEW TELEPHONE LINE.

The change of route made during the past year has improved the working of this line very much, but its closeness to heavy lines of Morse wires will always be a source of trouble, on account of induction. It gives, however, fair satisfaction.

HOUSE OF CORRECTION LINE.

Numerous repairs have been made on this line, and it is now working satisfactorily.

POLICE PATROL TELEPHONE SYSTEM.

During the past year the southern and eastern police districts have been equipped with this most valuable adjunct to the Police Department.

The increase in the efficiency of the force in the middle district after the introduction of this very valuable system, led the Board of Police Commissioners to extend it to the other districts mentioned, with the view of its general adoption in the future.

It receives the most favorable indorsement from every officer of the department, for its usefulness in the prevention of crime, in affording greater protection to our citizens by retaining officers on their posts when an arrest is made, by giving greater facilities for the concentration of force in time of extraordinary disturbances, for conveying of injured persons to their homes or the hospitals, &c.

These, with other advantages, strongly recommend it to public favor.

RENEWAL OF WIRES.

The wires of this Department have been in use since 1877, a period of ten years, and are now showing signs of wear, especially in the manufacturing districts.

All telegraph companies consider from ten to twelve years the average service of a wire.

In this Department we must be most careful, as our lines are expected to be in condition to convey the signals from the alarm boxes correctly at all times. The missing of one blow would cause the department to go in a direction just the opposite of that intended.

In renewing the wires, I would recommend copper in place of galvanized iron wire.

The advantages of copper over iron for purposes named are several.

Its conductivity is greater, guaranteeing better service with decreased batteries; besides, its power to resist the destructive effects of smoke and gases, to which wires are subject in all large cities, disintegration from atmospheric and other causes is comparatively nothing; so it will last many years longer than iron wire.

To renew all the wire would cause an expense of from twenty to twenty-five thousand dollars, which I propose to divide by removing a portion each year until completed.

I therefore ask that six thousand five hundred dollars be appropriated to replace the wires where most needed.

FIRE-ALARM BOXES.

New alarm boxes have been placed as follows during 1886:

Park avenue and Preston street.

Bolton and Laurens streets.
Druid Hill avenue and Presstman street.
Baltimore and Payson streets.
Oliver and Mosher streets.
North and Oliver streets.
Calvert and Eager streets.
Calvert and Lanvale streets.
Columbia avenue and Wooster street.
Camden and Sharp streets.
Hanover and Pratt streets.
Front and Buren streets.
Northern Central Railroad elevator, Canton.
Brush Electric Light works.
John and Valley streets.
Baltimore and South streets.
Sharp and Cross streets.
West street and Battery avenue.
Canton and Hudson streets.
Park avenue and Dolphin street.
Gilmor and Mulberry streets.

Owing to the rapid increase of buildings, some localities are still without the desired protection in case of fire. Special attention is called to the following localities:

Lombard and Paca streets.
St. Paul and Centre streets.
Myrtle avenue and Hoffman street.
Lexington and Scroeder streets.
Ramsay and Gilmor streets.
Southwestern Police Station.
Broadway and Baltimore street.

Mulberry street and Clinton avenue.
Jefferson and Washington streets.
Mosher and Division streets.

MATERIAL ON HAND IN LINEMAN'S DEPARTMENT.

30 six-wire cross-arms.
20 four-wire cross-arms.
50 two-wire cross-arms.
3 coils No. 9 galvanized iron wire.
1 coil No. 10 galvanized iron wire.
200 pounds old iron wire.
200 glass insulators.
300 old glass insulators.
100 bolts and washers.
12 shovels.
5 digging-irons.
1 wire reel.
1 small pole-wagon.
1 twenty-foot ladder.
1 kite-tail burner.
10 pike poles.
2 saws (old).
2 monkey wrenches.
6 drawing knives (old).
1 three-inch augur.
3 chisels, different sizes.
1 large vise.
3 straps and vises.
1 single vise.
1 grindstone.
3 pairs plyers.
20 pounds office wire.

1 coil K K wire.
200 pounds nails.
3 screw drivers.
And a lot of old stuff not worth mention.

MATERIAL NECESSARY FOR LINEMAN'S DEPARTMENT IN 1887.

150 new telegraph poles (different sizes).
50 six-wire cross-arms.
200 four-wire cross-arms.
150 two-wire cross-arms.
40 T arms.
4 coils No. 9 wire.
4 coils No. 10 wire.
100 feet ½-inch gas pipe.
30 backboards.
½ pint porpoise oil.
500 feet small rope.
1 coil K K wire.
1,000 feet Kerite wire.
100 brackets.
600 glass insulators.
2 axes.
3 hand axes.
½ dozen rolls gum tape.
600 bolts and washers.
2 gross screws.
300 staples for box pipe.
2 pounds small staples.
2 saws.
½ dozen small files.
12 drawing knives.

½ dozen bitts (different sizes).
100 hook insulators (rubber).
50 pounds solder.
50 caps for box poles.
1 wire reel.
1 cant hook.
1 pipe wrench.

Material on Hand—Batteryman's Department.

2 barrels of blue stone.
400 new zincs.
825 coppers.
74 Leclanche jars.
68 gravity jars.
30 cells of Leclanche battery complete.
98 defective zincs.
1 large and 1 small scale.
1 copper scoop.
970 cells of gravity battery in use.
196 cells prism Leclanche in use.

Material Necessary for 1887.

36 barrels of blue stone.
2,500 zincs.
150 carbons for Leclanche battery.
300 gundras for Leclanche battery.
150 zincs for Leclanche battery.
150 packages sal ammoniac.
300 rubber bands.

ESTIMATE OF EXPENSES FOR 1887.

Salaries.	Per Annum.
Superintendent	$2,000 00
4 operators, $1,200 each	4,800 00
1 lineman	1,200 00
1 batteryman	1,200 00
1 assistant lineman	1,000 00
Total	$10,200 00
Material and general repair of lines	2,200 00
Batteries, &c	2,900 00
Wear and tear of line	600 00
House of Correction line	250 00
Water Board line	200 00
Bayview telephone line	100 00
Marine Hospital line	100 00
Police Patrol telegraph (three districts)	500 00
Electrical apparatus (City Hall)	100 00
Renewal of wires where necessary, as explained in report	6,500 00
Total appropriation	$23,650 00

The force of the office is as follows:

Operators—H. P. Lucas, Alexander Crummer, F. L. McAleese, F. J. Connor.

Substitute Operator—Wm. H. Bauer.

Lineman—Robert Kain.

Assistant Lineman—John M. Nugent.

Batteryman—Thomas F. Byrne.

In conclusion, I must return my thanks to the members of the Police and Fire Department for their kind assistance, and to the employees of this Department for their strict and faithful performance of duty.

Respectfully submitted,

CHAS. J. McALEESE,

Superintendent Police and Fire-alarm Telegraph.

ANNUAL REPORT

OF THE

COMMISSIONERS

FOR

OPENING STREETS,

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1886.

REPORT.

OFFICE OF THE COMMISSIONERS FOR OPENING STREETS,

CITY HALL,

BALTIMORE, January 1, 1887.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

We have the honor to submit to you a statement of the operations of this Department from January 1, 1886, to December 31, 1886, inclusive.

The following list comprises the streets, alleys, lanes, &c., opened and closed during the time named above; also the amount of damages, expenses, and benefits, and cost to the Mayor and City Council of Baltimore for each and every street, &c.:

NAME OF STREETS, &C., OPENED.	DAMAGES.	EXPENSES.	BENEFITS.	AMOUNT ON CITY.
Etting street from Gold street to Baker street (Ordinance No. 147, approved October 21, 1884).....	$ 5,872 16	$ 250 24	$ 3,280 00	$ 2,842 40
Gold street from Pennsylvania avenue to Calhoun street (Ordinance No. 14, approved May 17, 1885)...	16,571 25	397 89	6,647 80	10,321 34
Box alley from German to Lombard streets (Ordinance No. 88, approved October 8, 1885).....	12,019 00	389 83	9,679 49	2,729 34
Stockholm street from Scott to Ridgely streets (Ordinance No. 78, approved May 14, 1885)...	.....	253 22	.....	253 22
Monroe street from Baltimore street to the Liberty turnpike (Ordinance No. 116, approved June 2, 1884)...	113,180 89	1,211 11	71,289 37	43,102 63
Jones' Falls (east side) from the south wall of St. Vincent's Church to Fayette street (Ordinance No. 27, approved April 3, 1886).....	14,649 32	441 01	.....	15,090 33

Ostend street from Light street to forty feet west of Race street (Ordinance No 95, approved October 17, 1885)	$ 37,946 08	$ 565 70	$ 16,301 98	$ 22,209 80
Calhoun street from Presstman to Baker streets (Ordinance No. 126, approved June 7, 1884.)	34,628 59	1,162 62	10,718 89	25,072 32
STREETS, &C., CLOSED.				
Cathedral street from Oliver street to North avenue				
Federal street from Maryland avenue to Cathedral street				
Oak street from Oliver street to Jones' Falls				
Hudson alley from Oliver street to Jones' Falls				
Gettier street from Hudson alley to the ground formerly belonging to the Baltimore and Susquehanna Railroad Company (Ordinance No. 89, approved October 8, 1885	1 00	440 76	1 00	440 76
	$234,868 29	$5,112 38	$117,918 53	$122,062 14

Items of Expense Account.

Per diem, Commissioners and Clerk	$ 864 00
City Surveyor	2,322 47
Magistrate	17 00
Stationery, &c	40 00
Auctioneer	330 00
Publishing notices	1,513 91
Walter S. Brown	25 00
	$5,112 38

STREETS, &C., IN PROCESS OF OPENING.

Patuxent street from Monument street to Eastern avenue.

Federal street from Eden street to Wolfe street.

Lanvale street from Bond street to Wolfe street.

Clarkson alley from Barney street to a forty (40) foot street.

Race street from Barney street to Moale street.

Burke street from Baltimore street to Mounment street.

Exeter street from its present terminus to Little Constitution street.

McComas street from Charles street to Leadenhall street.

Jephson street from Marshall street to Leadenhall street.

Douglass street from Aisquith street to Holliday street.

An alley twelve feet wide in the centre of Kirby's (or Dorsey's) lane from Lanvale street to the property of the Harlem Stage Company.

Morton alley from John street to Hoffman street.

Cannon street from Baltimore street to Oliver street.

An alley between Central avenue and Eden street.

An alley between Eden street and Spring street.

An alley between Eden street and Spring street (nine feet nine inches wide).

An alley between Caroline street and Spring street.

An alley between Caroline street and Dallas street.

Scott street from its present southern terminus to Ridgely street.

Collington avenue from Fairmount avenue to Monument street.

Chester street from Eager street to Hoffman street.

Washington Road from Bush street to the city limits.

Henry street from Clement street to Fifth lane.

Beason street from Decatur street to the property of H. A. Ramsay & Co.

Mount Royal avenue and Hoffman street from North street to Dolphin street.

Clarkson alley from Fort street south one hundred and forty-seven (147) feet nine (9) inches.

Wicomico street from Cross street to Stockholm street.

Nanticoke street from Cross street to Stockholm street.

Clement street from Light street to William street.

Fulton avenue (widening) from the Windsor Mill Road to Baker circle, and from Baker circle to North avenue.

Harlem avenue from Kirby's (or Dorsey's) lane to the western city limits.

Payson street from Baltimore street to Lafayette avenue.

Pulaski street from Baltimore street to Lafayette avenue.

Etting street from Robert street to Laurens street.

East street from its present paving and improvements to Low street.

Mosher street from Kirby's (or Dorsey's) lane to the western city limits.

A forty foot street from Townsend street to North avenue, east of Aisquith street.

Beverlen street from Light street to Charles street.

Mulberry street from Gilmor street to western city limits.

Saratoga street from its western terminus to the western city limits.

Oliver street from Aisquith street to Harford avenue.

Patapsco alley from Ostend street to West street.

Russell street from Ostend street to Wooster street.

Madison street from Wolfe street to Washington street.

Kirby's (or Dorsey's) lane from Franklin street to Edmondson avenue.

Clare street from James street to the present terminus of Monroe street.

STREETS, &C., IN PROCESS OF CLOSING.

Kirby's (or Dorsey's) lane from Lanvale street to the property of the Harlem Stage Company.

Point lane from Ensor street to North avenue.

Fourth street south from Fort avenue.

An alley between Eden and Spring streets.

V alley between Barre street and Welcome alley.

Brown's lane from Caroline street to its northern terminus.

Kirby's (or Dorsey's) lane (excepting twelve feet in the centre thereof) from Lanvale street to the property of the Harlem Stage Company.

Kirby's (or Dorsey's) lane (excepting twelve feet in the centre thereof) from the south side of the Harlem Stage Company's property to the north side of Winchester street.

Butcher's lane from Baker street to North Calhoun street.

Carey street west of a line drawn southerly at right angles to the north boundary line of Baltimore city,

from a point on said boundary line distant two hundred and forty feet easterly from city boundary stone No. 2.

ORDINANCES REPEALED.

Ordinance No. 87, approved May 5, 1880, entitled "An ordinance to close Lawson's lane from the south side of North avenue to the northeast side of Druid Hill avenue.

Ordinance No. 78, approved May 14, 1885, entitled "An ordinance to open Stockholm street from Ridgely to Scott streets."

Ordinance No. 94, approved October 17, 1885, entitled "An ordinance to open Monroe street from Eagle street to the B. & O. R. R. tracks, and Clare street from B. & O. R. R. tracks to Washington avenue.

Respectfully submitted,

JOHN B. WILLIAMS,
MATT. W. DONAVIN,
JOHN McWILLIAMS,

Commissioners for Opening Streets.

ROBERT F. GREEN, *Clerk.*

ANNUAL REPORT

— OF THE —

CITY LIBRARIAN

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31, 1886.

REPORT.

BALTIMORE, January 3, 1887.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

I have the honor to submit the following report for this Department during the year ending December 31, 1886:

Under contract with The Baltimore Publishing Company, the necessary stationery and printed matter for the various departments of the city government have been procured and distributed as required on requisition from the heads of departments, the total expenditures under this head amounting to $6,491.83, as shown more in detail hereafter.

The work of procuring and filing plats of all property in which the city may be directly or indirectly interested is progressing slowly for want of funds.

I have repeatedly recommended a liberal appropriation for this purpose, and would now repeat the recommendation that at least $1,000 be appropriated this year for procuring, copying, and filing property plats. The utility of the measure is evidenced by the large number of persons who have, during the past year, sought access to the records we have.

The room heretofore used by the Law Department having been transferred to the Harbor Board, I have,

with consent of the law officers of the city, placed their books in the City Library, greatly to the convenience of the public who may wish to consult them.

Additions have been made to the valuable collection of city directories; among them, owing to the kindness of Mr. Richard D. Fisher, those of 1812, 1835–6, 1837–8, and a Commercial Directory of the city for 1823.

The method heretofore in use in the City Comptroller's office—of storing each year's vouchers in boxes made for the purpose—was found last year to have exhausted all available space for their storage, and that, in addition, the matter of reference to them frequently required was becoming annually more difficult.

Upon a presentation of this matter—and also of additional accommodations needed for filing Health Department records—to the City Council, I was authorized to use the necessary funds out of the appropriation to the City Library.

I have, accordingly, had placed in the Comptroller's office one hundred and eighty patent file-boxes, holding each one month's accumulation of vouchers. I have also had made an additional file-case for the Health Department, having capacity for about ninety thousand death certificates.

There should be cases made for the City Register's records. The business of this office is increasing to such an extent that it is necessary to make use of all means to facilitate it—otherwise the present force will not be sufficient to attend to its miscellaneous duties.

The accompanying statement shows the cost of stationery and printed matter for the several departments during the year:

Statement of value of stationery and printed matter used during the year 1886.

Appeal Tax Court	$ 160 07
Baltimore City Jail	387 46
Bayview Asylum	116 65
City Collector	1,078 14
" Comptroller	311 14
" Register	255 85
Commissioners for Opening Streets	82 90
Commissioner of Street Cleaning	23 25
City Commissioner	297 87
" Library	1,390 94
Clerk Richmond Market	3 60
" Fell's Point Market	4 50
" Belair Market	1 20
" Centre Market	1 25
" Canton Market	1 10
Dog Pound Master	8 80
Examiner of Titles	20 25
Fire Commissioners	566 13
General Superintendent of Lamps, &c.	72 80
Health Department	899 07
Harbor Board	291 09
Harbor Master—First District	2 00
" —Second District	2 90
" —Third District	3 00
" —Fourth District	7 70
" —Fifth District	6 50
Amount carried forward	$5,996 16

Amount brought forward	$5,996 16
Inspector of Buildings	149 45
Inspector of Gas and Illuminating Oils	10 78
Law Department	50 54
Mayor	217 20
Supervisors of Elections	59 20
Superintendent City Hall	8 50
Total for stationery, &c	$6,491 83
Under Resolution No. 185	964 74
Amount of appropriation undrawn	43 43
Appropriation	$7,500 00
*Water Department	$613 52
*Chief Engineer, Water Department	268 13
Total	$881 65

*The Water Department pays its own bill.

Receipts for the year 1886.

From sale of two copies City Code	$10 00
" " of eleven copies Supplement	27 50
" " of one copy Ordinances	1 50
Total receipts	$39 00

Respectfully submitted,

SAMUEL D. SMITH,

City Librarian.

ANNUAL REPORT

OF THE

Inspector of Buildings

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1886.

REPORT.

OFFICE OF INSPECTOR OF BUILDINGS,

BALTIMORE, December 31, 1886.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

I have the honor to submit for the consideration of your honorable body the following report of the operations of this Department for the year ending December 31, 1886.

NEW SCHOOL HOUSES.

Since my last report four new school buildings have been completed, and handed over to his Honor the Mayor and the honorable Board of School Commissioners. They are as follows:

No. 23 Male and Female Primary,

Situated on the northeast corner of Gough and Wolfe streets, having a frontage on Wolfe street of 57 feet 9 inches, and on Gough street of 103 feet 11 inches.

The building is two stories high and contains twelve class rooms, two hat and cloak rooms, and two teachers' rooms. This house was built within the appropriation.

No. 11 *Male and Female Primary*

Is on the northwest corner of Gilmor and Mosher streets, and has a frontage on Gilmor street of 57 feet 9 inches, and a depth of 103 feet 11 inches. It is also two stories high, and has similar accommodations as the last named; but on account of the larger area of the school yards, requiring paving and fencing, I was compelled to ask for an additional appropriation, the amount of which, $1,200, was provided for by Resolution No. 81.

No. 15.

A large annex to No. 15 Grammar School, on the northeast corner of Lexington street and Carrollton avenue, has a frontage of 48 feet 11 inches on Lexington street, and one on Carrollton avenue of 135 feet 1 inch. It is a two-story building, and consists of eleven class rooms, three teachers' rooms, two book rooms, and two hat and cloak rooms. This annex was built within the appropriation.

No. 29 *Male and Female Primary*

Is built on the west side of South Sharp street, between West and Scott streets, and has a frontage on Sharp street of 55 feet, 9 inches, and a depth of 103 feet 11 inches. It has twelve class rooms, and two hat and cloak rooms, two teachers' rooms, and is a two-story building. On account of the faulty nature of the foundation of this school I was compelled to drive piles for the support of the whole building. This called for an extra appropriation of $3,500, for which provision was made in Resolution No. 81.

In the erection of the above school houses, special attention has been paid to ventilation, and the proper means of exit; and I am pleased to report that the commodious arrangements, and construction of these buildings compare favorably with any other school house in the city.

Mr. F. T. Gallagher was the contractor for Nos. 23 and 11, and Messrs. G. H. Morrow and John Meagher for Nos. 15 and 29.

REPAIRS OF PUBLIC SCHOOL HOUSES.

No. 20 Public School, Eden and John Streets.

In accordance with Resolution No. 117, an annex about 20 feet by 25 feet, two stories high, containing two class rooms, was erected, and two of the larger class rooms in the old building were divided into four by glass partitions, and the front exterior of the whole building painted.

An extra appropriation of $2,000 (included in the general appropriation) was made for this improvement.

No. 15 Grammar School, Lexington Street and Carrollton Avenue.

This school was provided with a fire-escape, as directed by Resolution No. 7. This gives the building five stairways—ample means of exit in case of fire or panic.

No. 21 Primary School, Pennsylvania Avenue and Robert Street.

The opening of a new street in the rear of this building rendered it necessary to erect a retaining wall and

fence, and to pave the sidewalk. This has been accomplished.

Eastern Female High School, Aisquith and Mullikin Streets.

The corridors were frescoed, and a new fence erected on Mullikin street.

No. 8 Colored School, Bond and Chew Streets.

The unpaved portion of yards was paved with brick, and a new glass partition erected in the school.

The exteriors of the following school houses were painted: Nos. 2, 12, 13, 18, and 19 Grammar Schools, and Nos. 5, 8, 12, 17, 22, 25, 27, 28, and 31 (late No. 11) Primary Schools.

The following interiors were painted: No. 16 Grammar School, and Nos. 7 and 10 Primary Schools.

No. 10 Grammar School was provided with a new window in rear to light stairway.

No. 12 Grammar School had portions of the yards newly paved with bricks.

The roofs of No. 17 Grammar School, and No. 7 Colored School were painted.

New fences were erected at No. 5 Primary School, and No. 4 Public School.

Glass partitions were placed in Nos. 3 and 16 Grammar Schools. No. 31 Primary School (late No.

11), partitions were removed, stairway and privies remodeled.

Manual Training School.

The blacksmith shop and class rooms were enlarged by removing partition and stairway, and an extra workshop was erected in the yard.

The above school houses, and all those not previously mentioned, have had all the repairs executed necessary for the protection of the buildings and their appurtenances, and for the comfort and convenience of the occupants.

Most of the school houses are in fairly good repair; but I must make exception to No. 5 Colored School, Eastern avenue, which I consider, from its deficient light and ventilation, and the poor accommodation for the present crowded class rooms, entirely unsuitable for school purposes.

The sanitary condition of the privies of our school houses is not as satisfactory as I desire. This subject is rather perplexing, because I do not know any sanitary appliances more suitable for school closets than water-closets; and these I cannot recommend because of their liability to freeze in winter, and other reasons equally as objectionable. The only remedy I can suggest is, to provide each well or cess-pool with a charcoal filter-bed, and an additional well or receiver for the filtered water. This should be furnished with an overflow connected with the sewers. By this means, and a con-

stant flushing and cleansing of the closets with water, a great deal of unpleasant odor would be removed.

Ceilings of School Houses.

In my last report I called attention to the unsafe condition of many plaster ceilings in our public schools, and suggested the gradual substitution of wooden ones.

The constant vibration of the upper floors, caused by the simultaneous movement of a large number of children, gradually and imperceptibly loosens the plaster ceilings below, and render them liable to fall at any moment, without warning to those who may be on the floor beneath. In the sixty-two public school houses there are six hundred and thirty-two class rooms having plaster ceilings, and one hundred and seventy-three rooms with wood ceilings.

I would recommend a special appropriation annually for converting by degrees all plaster ceilings into wood.

ENGINE HOUSES.

Engine House No. 5 and Truck House No. 3, Ann Street.

On account of these two companies occupying the same building it was found insufficient to meet their requirements, and I was directed by Resolution No. 46 to build an addition in the rear. This contract was awarded to Mr. James H. McAfee. It has been satisfactorily completed, and was handed over to his Honor the Mayor and the honorable Board of Fire Commis-

sioners November 22, 1886. This much-needed extension, together with the improved facilities and appliances added, has placed this house on an equality with our best regulated engine houses.

New Truck House No. 5 is located on Aisquith street, between Hoffman and Preston streets. It was ordered to be erected by Ordinance 51 of the Mayor and City Council. The contract for this building was awarded to Mr. Charles Ogle. It will be completed and placed in possession of the Fire Commissioners in a few weeks.

No. 1 Engine House.

A new wood floor was laid, asphalt pavement substituted for the old pavement to sidewalk in front, and the exterior of the building painted.

No. 2 Truck House.

An asphalt block pavement laid, and the exterior painted.

No. 3 Engine House.

New sash furnished for the front windows in lieu of the old casements, which were hung with hinges, exposing the bed rooms when open, and were otherwise objectionable. The old frames were converted into box frames, and the new sash hung with cords, making a satisfactory and desirable change.

Nos. 4, 7, 8, 10, and 13 Engine Houses were all painted on the exterior.

No. 8 Engine House

Was also furnished with new front doors, and new floors were laid.

No. 10 Engine House,

Also, was provided with new front doors, and the parlors and bed rooms of Nos. 5 and 11 neatly papered. All needed repairs and attention has been given to these and the other engine houses not mentioned above.

MARKET HOUSES.

Fell's Point Market.

By Ordinance No. 35 I was directed to build a new market house at the lower end of Broadway, between Lancaster and Thames streets, in place of the one partially destroyed by fire December, 1885. It has been constructed by Mr. L. C. McCusker, upon iron columns, and a substantial asphalt pavement was laid. This building is well lighted and ventilated (the want of which is a great evil in our old market sheds); it also affords greater conveniences to those occupying the market, and in appearance is a decided improvement on the old building, which, for years, was an eye-sore to the citizens of South Broadway. The market contains twenty-two butcher stalls, twenty-eight fish stalls, and fifty-four vegetable stalls. It was completed and accepted by his Honor the Mayor November 22, 1886.

Centre Fish Market.

Ordinance No. 38 directed a cement pavement to be laid in this market. This work has been accomplished at a much less cost than the cement or asphalt pavements now in use in other markets. I thought it advisable to give it a trial. It has been down four

months longer than the one at Broadway Market, and cost about half the amount per yard. Should it prove as good, it will be a profitable experiment for the city.

Richmond Market.

According to Resolution No. 77, this market has been thoroughly painted, exterior and interior.

Hanover Market.

A new tin roof has been put on this market, in accordance with Resolution No. 62.

Lexington Market.

That portion of this market between Paca and Greene streets has been re-covered with tin, as called for by Resolution No. 91.

At the eaves of these new roofs valleys were formed, doing away with the hanging gutters, which have been a source of much annoyance and expense from constant leakage, &c.

Lafayette Market roof was painted, and all other market houses have received due attention. Where plaster ceilings have cracked and fallen, they have been re-plastered; and all markets that required it, have been whitewashed and the buildings kept in good repair.

COURT HOUSES.

The several court houses are now in fairly good condition. The Criminal Court building received its

full share of attention; the exterior of the building, from ground to dome, received two, and, in some parts, three coats of paint, and the old building looks better than it has for twenty years. The old water-closets have been removed, and new and improved ones substituted.

The Sheriff's office and the office of the Clerk of the Court of Common Pleas were both painted.

The wood work of the old Masonic Building, now used as a court house, was painted on the outside, and the clerks' rooms papered and painted.

The Record Office was repaired, and a number of shelves erected for tin boxes to hold valuable records.

CITY HALL.

The repairs to this building have received careful attention; the most costly item being the plumbing. It cost this year about $900, or over 50 per cent. more than last.

The water-closets are poorly constructed, badly ventilated, and are constantly out of order. It is not unusual for the plumber to be called in on Sunday, and often during the night. I would suggest to your honorable body the desirability of removing all water-closets and urinals from within the building, and substituting others (with improved sanitary appliances) in the court-yards, accessible from each story of the hall. This would not only relieve the building from odor arising from the closets, &c., and the serious

damages caused by the bursting of pipes and the overflow of water, but would so decrease the present large outlay for repairs that the amount saved would in a few years pay for this desirable change.

The present closets have been pronounced very defective and injurious to the occupants of the building by the Health Department; and Dr. Steuart, Health Commissioner, approves of the plan here suggested.

Elevator in City Hall.

I was authorized by Resolution No. 38 to erect a passenger elevator in the well of stairway in east corridor of the City Hall. This has been accomplished, the contract being completed on the 23d day of December, 1886. The short time it has been at work scarcely affords a sufficient test of its usefulness, but I have no doubt it will prove indispensable.

BALTIMORE CITY JAIL.

A new tin gutter has been put around the entire building. The Board room received a new floor, and was neatly papered and painted. The Warden's house was painted, and the plumbing overhauled. A new boiler was placed in the cellar for heating purposes, but on account of a fire which occurred November 20, 1886, it was removed from the cellar to an adjoining building at considerable cost.

This building has been kept in repair chiefly by the inmates, this Department only furnishing the materials required, except in cases where it was deemed inadvis-

able to allow the inmates to do the work. The Warden, Mr. J. Frank Morrison, was always willing to furnish whatever labor the inmates could accomplish.

Annex to Jail, Heating, &c.

Ordinance No. 37, directing me to heat the annex to City Jail, and appropriating $1,800 for same, has been carried into effect. The first intention was to place the boiler in the cellar, but after reconsideration, it was deemed advisable to erect a brick boiler house to receive the same at the north end of the new building. This was accomplished without exceeding the appropriation.

It would be advisable before occupying this building as a female prison to erect a laundry in connection with same.

MARYLAND INSTITUTE.

By Resolution No. 63 I was instructed to paint the exterior of the Institute building. This has been accomplished to the complete satisfaction of the Board, and the gratification of the surrounding property-holders.

HOLLINS HALL.

As specially directed by Resolution No. 10, this hall was thoroughly cleaned and repaired, the interior was painted and frescoed, new water-closets were erected and ventilated, new front doors were substituted for the old ones, and the furniture repaired.

OBSERVATORY FEDERAL HILL PARK.

Resolution No. 47 authorized the erection of an observatory and pavilion at Federal Hill Park. This contract was awarded to the lowest bidder, Mr. Henry R. Curley, for $7,200. It is now near completion, and will doubtless be ready to hand over to the Park Commissioners by the first of February, 1887.

It is an ornament to the park, and will be very valuable to merchants in notifiying them of the arrival of vessels.

RE-NUMBERING HOUSES.

The contract for re-numbering the houses of this city, given to Mr. J. V. Campbell on the 12th of June, 1886, under the supervision of this Department, is nearing completion; and I have no doubt when completed and brought into use both strangers and citizens will be benefited by the change. I am still of the opinion that the old numbers should be removed to make the system perfect, and I respectfully ask your honorable body to adopt such measures as are necessary for that purpose.

CESS-POOLS.

The cleaning of cess-pools has received the careful attention of this Department. Every school, market, and engine house has been visited, and the wells emptied to a sufficient depth for all purposes, at an expenditure of less than one-half the amount paid for the same work in the year 1881, which then cost $3,757.25.

THE DOG POUND.

A new fence has been erected around part of the Pound, the drowning cage and its appliances have been repaired and painted, and the whole building cleaned and well whitewashed.

SIGNS OVER SIDEWALKS.

The ordinance passed by your honorable body May 17, 1886, and which becomes effective on the first day of January, 1887, directing the removal, and prohibiting the erection of all signs, showcases, &c., extending over the sidewalk more than two feet, will doubtless add to the comfort and convenience of pedestrians, and will considerably improve the appearance of the streets of our city.

BAY-WINDOWS.

Granting permits for bay-windows has caused much annoyance during the year, and I would respectfully suggest the desirability of repealing the present laws, or so modifying them that a bay-window shall not project over the sidewalk more than two feet from the building line, and also empowering his Honor the Mayor and the Inspector of Buildings to refuse a permit when, in their judgment, it is objectionable.

As the law now stands, after the application has been advertised, and no objection raised, the applicant can demand the permit. In a large majority of cases the adjoining property-holders do not see the advertisement, and are unaware a permit has been granted until

the building is commenced, when it is too late to make objection, as a permit once granted cannot be revoked, according to the code.

BUILDING LAWS.

I wish respectfully to call the attention of your honorable body to the necessity in this city of a code of building laws.

Our present laws are very imperfect, and totally inadequate to the requirements of this large and growing city.

Other cities have found it necessary to frame laws regulating the inspection and construction of dwellings, warehouses and other buildings; and that the evil (which calls for these laws elsewhere) exists in this community is patent to every one. Buildings of flimsy construction are being and have been built all around us, over which the municipal authorities have no control; and I deem it urgently necessary, for the protection and safety of our citizens, that proper building regulations, together with a strict inspection of all buildings, be adopted.

DANGEROUS WALLS.

During the past year I have inspected and condemned, or ordered to be repaired, about two hundred and twenty dangerous walls; and issued two hundred and forty-three notices for the erection of fire-escapes, repair of spouts, &c.

In all cases I have insisted upon my orders being obeyed without regard to the inconvenience or expense of the owners, and I have found a disposition generally on the part of our citizens to promptly comply with the notices issued. In only one case during the year have I been compelled to enforce the law which empowers me to take down buildings, &c., condemned, the owners not complying with the notices issued. This was a dangerous wall on Lexington street, between Charles and Liberty.

OVERHANGING BATH HOUSES.

By the City Code, Section 5, Article 7, bath rooms erected on joists projecting from the house are exempt from the charges and conditions required for other wooden structures; and I find that this exemption is frequently taken advantage of by building up frame work underneath the projecting bath room, thereby evading the laws requiring permits for sheds; and I would, therefore, respectfully suggest the repeal of that portion of said Section 5, thereby putting the bath rooms in the same category with all other frame structures.

PERMITS FOR SHEDS, &C.

I earnestly call the attention of your honorable body to the growing evil of granting permits for the erection of sheds and other structures to persons who have not applied for the same to this Department. One case I will refer to: On June 15, 1886, his Honor the Mayor was called upon to sign an ordinance granting permission to erect a bath house. The permit could

readily have been obtained at this office by the payment of ninety-six cents. It doubtless cost the taxpayers several times that amount to have it passed by the Council.

The tables accompanying this report will show:

A, the amount of appropriations and disbursements of this Department during the year 1886.

B, the revenues of this office for the same period.

C, estimates of the amounts required for this Department for 1887.

D, statistical table of the fiscal operations of this ffice for the previous ten years.

All of which I most respectfully submit,

J. THEODORE OSTER,

Inspector of Buildings.

TABLES.

TABLE A.

Showing the amount of appropriations for this Department for the year 1886, and the amounts disbursed.

Object of Appropriation.	Appropriated.	Expended.	Balance unexpended
For repairs of public school houses	$ 10,000 00	$ 9,953 88	$ 46 12
" addition to No. 20 School House	2,000 00	2,000 00	.....
" repairs of city property	18,000 00	17,994 12	5 88
" emptying cess-pools	2,000 00	1,490 25	509 75
" incidental expenses and livery	600 00	600 00	.....
" salaries	5,500 00	5,500 00	.....
" map of city	100 00	25 00	75 00
" completion of Public School No. 29	17,875 50	17,875 50	.....
" foundation " " " " "	3,500 00	3,500 00	.....
" completion of Public School No. 15	17,862 42	17,849 11	13 31
" " " " " " 11	9,854 35	9,854 35	.....
" improvements " " " "	1,200 00	1,200 00	.....
" completion of Public School No. 23	9,464 42	9,458 07	6 35
" " " annex to City Jail	4,062 07	4,062 07	.....
" repairs at Hollins Hall	600 00	600 00	.....
" cement pavement at Centre Market	1,000 00	1,000 00	.....

" building No. 5 Truck House.....	4,000 00	4,000 00	.....
" " Fell's Point Market.....	11,000 00	10,289 34	710 66
" " Observatory Federal Hill Park.	8,000 00	5,000 00	3,000 00
" " addition to No. 5 Engine House.	5,500 00	5,500 00	.....
" new tin roof, Hanover Market.....	2,500 00	2,485 09	14 91
" " " " Lexington "	1,600 00	1,548 03	51 97
" painting Richmond Market.....	1,500 00	1,156 50	343 50
" erecting elevator, City Hall.....	5,000 00	4,140 35	859 65
" " fire-escape, Public School No. 15.	400 00	400 00	.....
" heating apparatus, annex to Jail.....	1,800 00	1,800 00	.....
" painting Maryland Institute.....	1,000 00	1,000 00	.....
Totals.....	$145,918 76	$140,281 66	$5,637 10

TABLE B.

Showing the revenues of this office for the year 1886.

Permits issued as follows:		
For 29 bay-windows from the ground	$2,900 00	
" 49 bay-windows at upper stories	490 00	
" 98 signs	198 00	
" 965 frame sheds	3,591 49	
" 102 additions to sheds	134 93	
		$7,314 42
Amount received for advertising applications	$1,989 00	
Paid for same	1,040 64	
		948 36
Net revenue		$8,262 78

TABLE C.

Showing the amount required for this office for the year 1887.

For the repairs of public schools		$10,000 00
For the repairs of city property:		
Say for Engine houses	$6,000 00	
" City Jail	3,000 00	
" City Hall	3,000 00	
" Market houses	3,000 00	
" Court houses	2,500 00	
" Dog pound	500 00	
		18,000 00
For substituting wood for plaster ceilings of public school houses		3,000 00
" emptying cess-pools		2,000 00
" incidentals		100 00
" livery of two horses and repairs to wagons		600 00
" salaries		5,500 00
" balance due on Truck House No. 5		4,000 00
" completion of observatory, Federal Hill.		3,000 00
" map of city		75 00
Total		$46,275 00

TABLE D.

Statement showing the expenditures for the repairs of public school's and engine houses, and for emptying cess-pool's from 1876 *to* 1886, *inclusive, and the net revenues of this office for the same period.*

	Repairs School Houses.	Repairs Engine Houses.	Emptying Cess-pools.	Revenue.
1876	$11,817 94	$ 5,938 05	$2,431 00	$3,276 90
1877	19,441 45	11,761 15	2,876 43	3,674 06
1878	27,848 57	9,999 80	2,400 00	3,954 46
1879	16,928 26	6,596 39	2,947 45	3,739 19
1880	24,997 15	10,893 36	2,227 50	5,017 67
1881	22,650 09	6,608 43	3,757 25	4,818 09
1882	8,812 06	10,056 99	1,467 50	6,702 78
1883	9,997 93	5,464 41	1,497 50	7,718 96
1884	8,987 25	5,082 08	1,462 50	6,263 31
1885	9,984 07	5,852 92	1,470 87	6,658 58
1886	9,953 88	5,965 67	1,490 25	8,262 78

The above table shows a saving in the last five years in repairs of school houses, engine houses, and cleaning cess-pools of $84,387.40, and a return of $14,402.94 more than in the five years previous, notwithstanding the revenue from awnings was abolished in 1878, and for steam boilers in 1881, and no revenue derived from telegraph poles for the last three years, or from signs

since May last. These sources of revenue have heretofore yielded not less than $1,800 per annum, and it gives me great pleasure to inform you that the revenue from this office was greater this year than it has ever been in any one year since the office was created.

TWENTY-SEVENTH ANNUAL REPORT

OF THE

PARK COMMISSION

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1886.

THE PARK COMMISSION.

JAMES HODGES, Mayor,
Ex-Officio Chairman.
JOHN H. B. LATROBE,
ANDREW REID,
GEORGE E. WAGGNER,
GEORGE S. BROWN,
Commissioners.

REPORT.

To the Honorable the Mayor
and City Council of Baltimore:

The Public Park Commission present their Twenty-seventh Report.

During the past year the several passenger railways have paid the park tax, with the exception of the Union and the People's Railway Companies. The former, while paying the tax for so much of its road as lies within the present boundaries of the city, still withholds it for so much of the road as lies beyond. The question involved here is still before the courts, in a suit brought to determine it.

During the past year the Commission, in view of the number of parks placed under their charge, and the importance of uniformity in their management, deemed it advisable to appoint a General Superintendent, whose duty it would be to carry out the instructions of the Commission, and report monthly in detail the expenditure required by the several parks respectively—one who, at the same time, should possess the qualifications which the various duties required of him involved; but leaving the several parks in the immediate charge of local superintendents. This was accordingly done in April last; since when experience has shown the importance of the measure: as, for example—in

1885, after charging the Commission with the cost of what might be termed "betterments," the balance to their credit was $487.55; while in 1886, after charging in like manner the Commission with the cost of "betterments" in that year, the two items not being widely different, the balance to the credit of the Commission is $5,695.46. The Report of the General Superintendent herewith appended and the Treasurer's account exhibit in full detail the particulars of the expenses in connection with the two parks.

DRUID HILL PARK.

The Sheep, Deer, and Camels.

These are in excellent condition, but the sale of the sheep has fallen off from what it was some years since. The sales of deer have produced $199.65.

Fish Culture.

This continues in use under the exclusive charge of the State Fish Commission.

The Zoological Garden.

Nothing has been done here since the last report. The animals are in good condition, and the sea lions, which may be regarded as coming under this head, still, notwithstanding the inclemency of the weather, attract the attention of the public.

The Conservatory

The means at the disposal of the Commission have not permitted them to do anything in carrying out the plan referred to in the last report.

PATTERSON PARK.

During the past year much work has been done in placing the park in the unexceptionable condition in which it now is.

The "Extension" remains as it was when the funds provided for it were exhausted; nor can anything be done until the Legislature shall have authorized the city to provide for its completion.

FEDERAL HILL, RIVERSIDE PARK, JOHNSON AND COLLINGTON SQUARES, AND THE TRIANGLE.

The appropriation of $500 by the Mayor and City Council, at its last session, for the removal of the Armistead Monument, enabled the Commission to complete that work, leaving a balance of $173.50.

The observatory, for which an appropriation of $8,000 was made, to be expended by the Inspector of Buildings, is only partially completed; but, it is said, will be finished in the early spring.

In the report of the General Superintendent will be found the details in full of expenditure of the special appropriations for Federal Hill, Riverside Park, Johnson and Collington Squares, and the Triangle.

In the last annual report it had been the painful duty of the Commission to announce the death of the late William E. Hooper, whose place was subsequently filled by the Commission, with the approbation of your honorable body, by the election of Mr. Andrew

Reid. On September 8, Mr. Charles H. Mercer, who for twelve years had been an active and useful member of the Board, resigned, when his place was filled, in like manner, by the election of Mr. George E. Waggner, whose residence, not far from Patterson Park, seems particularly appropriate, in view of the large interest which the eastern section of the city has in the park.

During the past year a plan has been devised for carrying out what has long been one of the objects of the Commission—the opening of a communication across Jones' Falls, in the neighborhood of the present pump-house, with the eastern section of the county, in the immediate vicinity of the city, or that portion of the county which is usually called the Belt. To this plan the Commission, when applied to, gave their ready assent, and directed the General Superintendent to facilitate, when the proper time came, its execution.

By order,

D. RAYHICE, *Secretary.*

REPORT

— OF THE —

SECRETARY AND TREASURER.

Receipts and Expenditures of Druid Hill Park, year ending December 31, 1886.

	Dr.	Cr.
To interest	$33,067 20	
" pay rolls and improvements.	48,152 22	
By City Passenger Railway Company, four-fifths of receipts		$51,765 71
" Citizens' Railway Company, four-fifths of receipts		9,988 52
" York Road Railway Company, four-fifths of receipts		827 60
" North Baltimore Railway Company, four-fifths of receipts		11,354 20
" Union Railway Company, four-fifths of receipts		3,765 07
" Central Railway Company, four-fifths of receipts		4,353 45
" sale of deer, $199.65; wood, $84.50		284 15
Amounts carried forward	$81,219 42	$82,338 70

	Dr.	Cr.
Amounts brought forward.	$81,219 42	$82,338 70
For sale of sheep, $160.50; hay, $114.64		275 14
" sale of horses, $204.10; wool, $124.74		328 84
" sale of old iron, $2.52; benches, $320		322 52
" exhibition of sheep		100 00
" fines, $60; boating, $200		260 00
" tapping pipe, $3.60; use of gas, $1.30		4 90
" privilege of swings		100 00
" " " camels, goats, etc.		60 00
" rent of Mansion House, $2,065; dwelling, $313.50		2,378 50
	$81,219 42	$86,168 60

Receipts and Expenditures of Patterson Park, year ending December 31, 1886.

	Dr.	Cr.
To interest	$ 8,266 76	
" pay rolls and improvements	11,756 11	
By City Passenger Railway Company, one-fifth of receipts		$12,304 40
" Citizens' Railway Company, one-fifth of receipts		2,497 13
" York Road Railway Company, one-fifth of receipts		206 89
" North Baltimore Railway Company, one-fifth of receipts		2,838 54
" Union Railway Company, one-fifth of receipts		941 27
" Central Railway Company, one-fifth of receipts		1,088 37
" rent of refreshment saloon		350 00
" fines		30 00
" privilege of swings		25 00
	$20,022 87	$20,281 60

Balance Sheet, Druid Hill and Patterson Parks, year ending December 31, 1886.

		Dr.	Cr.
To interest		$ 41,333 96	
" pay rolls and improvements.		59,908 33	
By balance due Park Board December 31, 1885			$ 487 55
By receipts from City Passenger Railway Company	$69,754 13		
Less sinking fund	5,684 02		
			64,070 11
By receipts from Citizens' Railway Company	$15,607 07		
Less sinking fund	3,121 42		
			12,485 65
By receipts from York Road Railway Company	$1,293 11		
Less sinking fund	258 62		
			1,034 49
By receipts from North Baltimore Railway Company	$17,740 92		
Less sinking fund	3,548 18		
			14,192 74
By receipts from Union Railway Company	$5,882 92		
Less sinking fund	1,176 58		
			4,706 34
Amounts carried forward.		$101,242 29	$96,976 88

		Dr.	Cr.
Amounts brought forward.		$101,242 29	$96,976 88
By receipts from Central Railway Company	$6,802 26		
Less sinking fund..	1,360 44		
			5,441 82
By rent of Mansion House, stone dwelling, refreshment saloon, sale of sheep, deer, wood, hay, fines, privilege of swings, etc.....			4,519 05
		$101,242 29	
Balance.....		5,695 56	
		$106,937 75	$106,937 75

Expenditures of Patterson Park Extension, year ending December 31, 1886.

	Dr.	Cr.
By balance December 31, 1885		$4,328 20
" sale of tools, etc		16 20
To pay rolls and improvements	$3,989 37	
" balance	355 03	
	$4,344 40	$4,344 40

Expenditures of Federal Hill Park, year ending December 31, 1886.

	Dr.	Cr.
By appropriation		$7,264 19
" sale of lumber		5 00
To improvements	$6,908 18	
" balance	361 01	
	$7,269 19	$7,269 19

Expenditures of Johnson Square, year ending December 31, 1886.

	Dr.	Cr.
By appropriation		$4,045 00
" sale of gravel		18 00
" sale of tools, etc		32 00
To improvements	$4,059 41	
" balance	35 59	
	$4,095 00	$4,095 00

Expenditures of Riverside Park, year ending December 31, 1886.

	Dr.	Cr.
By appropriation		$3,500 00
" sale of material		2 00
To improvements and maintenance	$3,207 33	
" balance	294 67	
	$3,502 00	$3,502 00

Expenditures of Collington Square, year ending December 31, 1886.

	Dr.	Cr.
By appropriation		$1,000 00
To improvements	$ 996 41	
" balance	3 59	
	$1,000 00	$1,000 00

Expenditures of Frick's Triangle, year ending December 31, 1886.

	Dr.	Cr.
By appropriation		$1,000 00
To improvements	$ 443 18	
" balance	556 82	
	$1,000 00	$1,000 00

Expenditures for removing the Armistead Monument to Federal Hill Park.

	Dr.	Cr.
By appropriation		$500 00
To expenditures	$326 50	
" balance	173 50	
	$500 00	$500 00

COMPARATIVE STATEMENT.

RECEIPTS.	1884.	1885.	1886.
Receipts from City Passenger Railway Company, ending 31st of December, less sinking fund	$62,993 87	$61,948 52	$64,070 11
Receipts of Citizens' Railway Company, less sinking fund	11,967 85	12,194 00	12,485 65
Receipts of North Baltimore Railway Company, less sinking fund	12,909 77	14,216 49	14,192 74
Receipts of York Road Railway Company, less sinking fund	788 61	925 14	1,034 49
Receipts of Union Railway Company, less sinking fund	3,934 04	4,415 88	4,706 34
Receipts of Central Railway Company, less sinking fund	9,321 67	6,189 73	5,441 82
Receipts of People's Railway Company, less sinking fund		776 25	
Receipts of Halls Springs Railway Company (sale of stock)		1,272 80	
	$101,915 81	$101,938 81	$101,931 15
Deduct interest on park stock, as per Register's account	41,333 96	41,333 96	41,333 96

Remaining for park purposes	$60,581 85	$60,604 85	$60,597 19
Of which one-fifth goes to Patterson Park	12,116 37	12,120 97	12,119 43
And balance to Druid Hill Park	$48,465 48	48,483 88	$48,477 76
Add resources peculiar to Druid Hill Park.			
Rent of Mansion House, $2,065; stone dwelling, $313.50	1,510 00	1,332 50	2,378 50
Sale of sheep, wood, hay, etc., etc	2,026 28	1,466 40	1,475 55
Fines	5 00	40 00	60 00
Boating	100 00	... .	200 00
	$52,106 76	$51,322 78	$52,591 81
Add resources peculiar to Patterson Park.			
Rent of saloon, sundry sales, fines, etc	353 35	228 85	405 00
Patterson Park, one fifth of general revenue	12,116 37	12,120 97	12,119 43
Total applicable to both parks	$64,576 48	$63,672 60	$65,116 24

EXPENDITURES.

Labor and materials to Dec, 31, Druid Hill Park	$50,442 13	$60,272 75	$48,152 22
" " " " " " Patterson Park	11,793 62	12,348 90	11,756 11
	$62,235 75	$72,621 65	$59,908 33

Comparative Statement, Druid Hill and Patterson Parks, for the years 1885 *and* 1886.

1885.

Receipts from all sources, less sinking fund and interest...			$73,138 05
The expenditures at Druid Hill Park were:			
For pay roll.....	$24,221 94		
" maintenance and improvements.....	36,079 66		
		$60,301 60	
At Patterson Park:			
For pay roll.....	$7,209 93		
" maintenance and improvements... ..	5,138 97		
		$12,348 90	
			72,650 50
Balance December 31, 1885..			$487 55

1886.

Receipts from all sources, less sinking fund and interest...			$65,603 79
The expenditures at Druid Hill Park were:			
For pay roll.....	$24,970 96		
" maintenance and improvements... ..	23,181 26		
		$48,152 22	
At Patterson Park:			
For pay roll.....	$7,634 92		
" maintenance and improvements.....	4,121 19		
		$11,756 11	
			59,908 33
Balance December 31, 1886..			$5,695 46

LIST OF EMPLOYEES.

DRUID HILL PARK, December 31, 1886.

To the Honorable the
Public Park Commissioners:

GENTLEMEN:

The following are the names of the employees of Druid Hill, Patterson, and Riverside Parks, with their occupation and compensation:

Charles H. Latrobe, General Superintendent and Engineer.		
William H. Cassell, Local Superintendent	$1,500 00	per annum.
D. Rayhice, Secretary and Treasurer	1,200 00	" "
Wm. D. Hamilton, Gardener	12 00	per week.
James Hinton, Gatekeeper, main entrance	1 25	per day.
Walter King, Gatekeeper, main entrance (at night)	1 25	" "
V. T. Jackson, Gatekeeper, railway entrance	1 25	" "
Daniel Simonds, Gatekeeper, Mt. Royal entrance	1 25	" "
John Murphy, Gatekeeper, Mt. Royal entrance (at night)	1 25	" "
George McCullough, Gatekeeper, at upper gate	1 25	" "
Barney Donnelly, Gatekeeper, Reisterstown Road entrance	1 25	" "

William Williams, Gatekeeper, northwestern entrance.....	1 43 per day.
J. M. Hooper, Gatekeeper, Woodberry entrance.....	1 25 " "
Albert Fisher, Gatekeeper, Woodberry entrance (at night)....	1 25 " "
Frank Walter, Watchman.....	10 00 per week.
Frank Buhler, in charge of animals.....	10 00 " "
George Fossil, Shepherd.....	10 00 " "
Kasper Kentner, Assistant.....	9 00 " "
M. Almony, Carpenter.....	1 75 per day.
George O. Bryan, Stableman....	1 50 " "
Six Drivers.....	1 50 " "
Laborers employed during the year averaged twenty-five...	1 50 " "

PATTERSON PARK.

Archibald Anderson, Local Superintendent.....	$800 00 per annum.
S. Barton, Gatekeeper.....	8 00 per week.
James Fairley, Watchman.....	1 50 per night.
Two Drivers.....	1 50 per day.
Laborers employed during the year averaged nine.....	1 50 " "

RIVERSIDE PARK.

Thomas Clark, Local Superintendent.....	$15 00 per week.
John McGonigle.....	12 00 " "
Laborers employed during the year averaged four.....	1 50 per day.

D. RAYHICE,

Secretary and Treasurer.

Area of the Parks under the control of the Public Park Commission.

	Acres.
Druid Hill Park contains	693
Patterson Park and Extension contains	113½
Riverside Park contains	17¼
Federal Hill Park contains	8¼
Johnson Square contains	2 58/100
Collington Square contains	5 14/100

REPORT

— OF THE —

GENERAL SUPERINTENDENT AND ENGINEER.

BALTIMORE, December 31, 1886.

To the Commission of Public Parks:

GENTLEMEN:

I beg leave herewith to submit my report upon the Public Parks from when I was appointed General Superintendent and Engineer to date.

DRUID HILL.

During the month of December the force account has been as follows:

Average number of hands employed daily.....	16
" " " horses " "	5
Gatekeepers—regulars and substitutes.....	8
City police on duty.....	2
Aggregate days' work during month—men.....	452
" " " " " —horses.....	159

Arrests made during month—None.

Routine Work.

On account of much bad weather, and the presence of snow and ice, the routine work has consisted in keeping drains open, in cleaning the much-frequented paths of snow, and other matters connected with the sheep, the barn, stable, etc. Our force, in consequence, has been reduced to its minimum, and would be smaller, were it not for the quarrying of road metal at Tempest Hill, which requires the retention of 12 men. This special work must be carried on so that, when the weather permits, we may resume the reconstruction of the roads in the vicinity. We have boxed and shipped to New Orleans during the month 14 deer, to Wheeling 2, and to Washington 1. All sold at $16.25 each. One sheep died of pneumonia.

The Cinnamon Bear,which has been ailing for a long time, is dead. All other animals and birds are in good condition. Draught animals are all in good condition, except one, which has catarrh. Property all in good condition. Watering wagons have been repaired and returned.

Gate Record—December.

INS.

Gateway.	Two-horse vehicles.	One-horse vehicles.	Phaetons.	Bicycles.	Equestrians.	Pedestrians.
Mount Royal....	989	2,237	....	8	149	1,357
Madison & Eutaw.	1,133	3,616	....	15	56	5,039
Druid Hill.....	45	500	....	10	100	1,500
West Gate.....	60	434	....	....	59	1,152
Pimlico.....	760	4,142	....	43	238	467
Green Spring and Woodberry....	452	335	39	2	214	712
Total.....	3,439	11,264	39	78	816	9,227

OUTS.

Gateway.	Two-horse vehicles.	One-horse vehicles.	Phaetons.	Bicycles.	Equestrians.	Pedestrians.
Mount Royal.....	992	1,460	....	6	120	1,264
Madison & Eutaw.	1,003	3,149	....	10	27	4,889
Druid Hill.....	20	250	....	....	50	1,000
West Gate.....	56	486	....	2	53	200
Pimlico.....	849	4,232	....	48	298	525
Green Spring and Woodberry....	577	896	51	2	198	791
Total.....	3,497	10,473	51	68	746	8,669

I will now present a brief resume of work, *other than* routine work, accomplished since last April. Upon taking charge at Druid Hill my attention was at once directed to the condition of the Pimlico road, from the Seven Oaks to the exit gate, and, with the consent of the Commission, I at once made the necessary contracts for the material, and put a large force to work.

The road was widened ten feet, re-graded entirely, under-drained in worst places, stone gutters built on both sides, grated inlets placed where needed, and guard stones planted at the bends.

In connection with this work, the Dell road was re-located to a new junction, re-graded, metaled, and drained throughout; in doing this we paved around the High Service Spring, cleaned up an old and ugly quarry at the bottom of the Dell, and planted it with vines. The length of the Pimlico road re-made is 2,513 feet; the Dell road is 1,200 feet. The cost of this improvement was $7,300.

The next road re-made was the Green Spring avenue, from its junction with the Pimlico to the Green Spring avenue gate. This involved a great deal of pipe laying, the building of six grated inlets, and the use of 1,800 cubic yards of metaling, as in many places it had to be put on twelve inches deep. This improvement, including connection with other roads, was 3,000 feet in length, and cost us about $2,000. Extraordinary repairs were also made to the road past the stone-house, which had never been metaled; also to drive No. 3, and the east approach to the Mansion. An entirely new fence has been put up, extending from the north to the northwest

entrance 2,705 feet long, at a cost of $635.67. The fence around the Mason property, 1,548 feet long, has been entirely re-built, with some new and some old material, at a cost of $209.30. The new nursery for plants and trees has been inclosed with a six-foot fence 520 feet long, at a cost of about $50. This nursery has been stocked with choice plants and trees, 1,154 pieces, at a cost of $290.78.

The telephone line has been extended from the Madison avenue gate to the office of the Local Superintendent, at the Mansion House, a much more convenient and central point, at a cost of about $75. The roof of the Mansion House, all of the rotunda, the Lake Pavilion, the Skating-house, and the Monkey-house, the roof of Orem's Station, and the iron fence around the Rogers Cemetery have been painted at a cost of $334. A new stairway has been built from the Terrace to the Monkey-house, and a new platform around the Bear Pit. Both ice-houses have been repaired, the large one entirely re-built, as to its underground portion. A new brick chimney has been built at the Pump-house.

An important stone culvert, under road No. 10, has been partially re-built, and the streams prevented from doing future damage by the construction of several stone dams. A gravel bank, containing 2,000 cubic yards, has been accumulated for the current repairing of Mount Royal avenue; it has cost us $392; it stands, by permission, on the Bond property, at a convenient point for use.

The east drive has been re-opened to its original width, and the Clipper Esplanade cleaned up, and vistas

cut to open up the beautiful views in the vicinity. To recapitulate these items and their cost, which I consider outside of ordinary repairs, we have spent since April, 1886:

On re-making drives	$ 9,600 00
" re-building fences	894 00
" stocking nursery	290 78
" extension of telephone line	75 00
" painting	334 00
" sundries	500 00
Total	$11,693 78

About one-half of the above amount has been paid out for labor to our own hands, the balance for material. The total expenditure during the year 1886 has been:

For pay rolls	$24,970 96
All other expenses	23,181 26
Total	$48,152 22

For 1885 expenditures were:

Pay rolls	$24,221 94
All other expenses	36,079 66
Total	$60,301 62

This shows that the pay roll account for 1886 only exceeds that of 1885 by $749.02, notwithstanding the very large force on the Pimlico road improvement, and the fact that we have worked a full force, for this period of the year, up to the present time, the other expenses speak for themselves.

As to future work, there is any amount to do in the bettering of drives and walks, in planting and in drainage. I have had two maps prepared from accurate surveys showing the important drainage areas in the park, and both leading to Druid Lake; this largely interests the Water Board, which will have to aid largely to take care of the flood to prevent contamination of the lake and destruction of the drive. My attention has been called to the action of the Commission as to the proposed new avenue to enter the Park from the northeast, and I have notified Mr. Shipley that I am at his service at any time with reference to its location and construction in the Park.

The Propagating-house is well filled with plants for next year's use.

We have on hand 136 sheep, 21 bucks, and 115 ewes. The sheepfold is in excellent condition.

The demand for sheep is very small, and we have disposed of but few this year.

During the past year there has been issued 215 permits for picnics; 408 for base ball; 272 for lawn tennis, and 5 for lacrosse.

Two gatekeepers have died during the year—both old men—Richard Wood and Henry Pryor.

I herein report what the Local Superintendent says, in which I agree with him, viz.: That a larger police force is becoming necessary in the season, and one more under the control of the Local Superintendent, especially

after dark. We have eight during the day from April to October; then four during October, and then two. After dark, none.

A complete inventory of property, etc., at Druid Hill will be found inclosed.

PATTERSON PARK.

During the month of December:

Average number of hands employed daily	12
" " " horses " "	3
Gatekeepers and night watchmen	2
City policemen on duty	1
Aggregate days' work during month—men	311¼
" " " " " —horses	48

Arrests made during month—None.

Routine Work

During the month has comprised the usual care-taking, trimming shrubbery, manuring, propagating plants, etc.

Special Work.

Putting up 200 feet of new guard fence, setting out shade trees, painting new work, and moving 200 lineal feet of the fence east of the Propagating-house 16 feet further off into the extension, so as to give more room around the house. This is an important improvement, and involved the moving of eight large shade trees and grading the ground.

All the Park properties are in good condition.

Ten electric lamps, with wires, have been set up during the month, to be lit at the beginning of the new year.

GATE RECORD.

Main Gateway—Ins.		*Main Gateway—Outs.*	
Two-Horse Vehicles.	20	Two-Horse Vehicles..	19
One-Horse Vehicles..	174	One-Horse Vehicles..	148
Equestrians.....	49	Equestrians.....	48
Pedestrians.....	1,544	Pedestrians.....	1,344

I give below a statement of the work, other than routine work, executed since last April, when I took charge.

The brick retaining wall around the island in the lake has been entirely re-built; also a large portion of the retaining wall around the lake. This work has all been done in hydraulic cement; it was originally built in lime mortar, and was much decayed. Two new brick screen wells, fitted with copper screens, were built in the lake, the stop valves re-placed, and a new outlet placed in the south end of the lake of sixteen-inch iron pipe. A new guard fence was built for over half the distance around the lake. A new flight of steps was built at the south side of the Pagoda Hill. The entire base of the Conservatory was renewed, and four of the arched ribs. A brick coal cellar was built at the Conservatory, to hold forty tons. The hot-air flues of the Propagating-house were re-built. The exterior of the residence, the exterior of the Propagating-house, the entire Conservatory, and all the new guard railing received two coats of paint. The eastern fence was re-built almost entire, and one hundred shade trees were set out.

To recapitulate:

Brick support wall re-built	400	lineal	feet.
New gutter laid	586	"	"
Terra Cotta pipe laid	287	"	"
New inlets built	10	"	"
New guard fence built	2,150	"	"
New main fence built	250	"	"
New trees set out			100
Brick used in above work			40,000
The cost of the new work was about			$3,000

In addition to this we used 700 loads of gravel in re-grading the walks.

Twenty thousand plants were set out in the flower beds during the past summer.

Many minor improvements have been made.

Accompanying this report will be found a complete inventory of property of every kind now on hand.

The expenditures during the year 1886 were:

For pay rolls	$7,634 92
All other expenses	4,121 19
Total	$11,756 11

For 1885 the expenditure was:

Pay rolls	$7,209 93
All other expenses	5,138 97
Total	$12,348 90

Excess for 1886 on pay roll account $424.99, whilst the amount of work done by our own hands has been, so far as I can ascertain, unequalled in the past.

The other expenses, as will be seen, are $1,017.78 less than in 1885, whilst our purchases of material have been large, as is shown in the list of betterments.

FEDERAL HILL.

During the month of December:

Average number of hands daily	11
" " " horses "	5
Total number of days' work—men	231
" " " " " —horses	74

The work during the month has been grading the Covington street bluff along the new purchase south of Warren avenue, raising sunken walks, and roofing-in the new privy.

The property is all in good condition.

The year's work is as follows:

The lower slope from Montgomery street to Warren avenue has been graded, soiled, and sowed in grass seed.

Two thousand and thirty-eight lineal feet of drain-ditches, five feet deep, with gathering wells and drain-pipes, have been constructed. A flight of steps from Covington street to the top of the bluff at Warren avenue has been built. Seven new inlets have been built; 134 square yards of new asphalt block pavement

have been laid; 1,300 square yards of old block pavement have been raised and re-set on account of settlements. Four hundred and fifty-two square yards of sodding have been laid. Four hundred and twenty-three loads of shells and cinders have been used in under-draining slopes. A privy-well sixty feet deep and six feet in diameter has been sunk to sand, and curbed with brick; and over it has been built a substantial stone privy, with iron hopper seats, all indestructible, and capable of being washed out with hose, as there is no wood about it but the roof. Seventeen new trees have been set out, and the entire park manured with pulverized shell and street dirt. The Armistead Monument has been erected, and a block pavement laid around it.

The Observatory is slowly approaching completion.

An inventory of property will be found attached to the report.

Appropriation for 1886	$7,264 19
Sale of lumber	5 00
Total available	$7,269 19
Expenditure	6,908 18
Balance	$361 01

Armistead Monument.

Appropriation	$500 00
Expenditure	326 50
Balance	$173 50

RIVERSIDE PARK.

For the month of December:

Average number of hands employed daily.....	2
" " " horses " "	1
Total number of day's work during month—men....	52
" " " " " " " —horses ..	26

Routine Work

Has consisted in the usual caretaking, hauling gravel for roads and walks, digging tree holes, and shoveling snow.

All property is in good condition. During the year 1886 the work has been as follows:

One thousand, one hundred and twenty-eight lineal feet of outside fencing seven feet high has been built; 3,393 lineal feet of brick gutter has been re-laid; 322 loads of gravel have been used in repairs; the northwest entrance has been re-built, on account of the closing of Johnson street, and 12 new trees have been set out.

Inventory of all property is attached.

Appropriation for 1886.....	$3,502 00
Sale of material.....	2 00
Total available.....	$3,504 00
Expenditures.....	3,207 33
Balance on hand.....	$296 67

JOHNSON SQUARE.

There is but one man employed on this square, viz.: the Local Superintendent, who keeps it in order.

The work done during the past year is as follows:

Three hundred and ninety-two lineal feet of guard fences built. The north support wall built of artificial stone, also three flights of stone steps. A new tool house. All the old cobble-stone gutters have been replaced with brick, and three new brick inlets built, 400 lineal feet of terra cotta drain-pipes laid, thirty trees set out, and several beds of plants of various kinds. Thirty new benches have been set out.

Appropriation for 1886	$4,045 00
Sale of gravel	18 00
" " tools	32 00
Total available	$4,095 00
Expenditures	$4,059 41
Balance	$35 59

COLLINGTON SQUARE.

The appropriation for this square for 1886 was $1,000. This amount has been expended in shaping and grading the western end, as far as it would go, and the work is now in good condition to be extended. The condition of the fund is at present:

Appropriation	$1,000 00
Expenditure	996 41
Balance on hand	$3 59

This square is of great importance to the neighborhood and should be pushed this year.

FRICK'S TRIANGLE.

The support wall around this property is now finished, and partially filled in with earth. I have postponed the pointing of the wall until spring, when it can be done with better results.

Appropriation	$1,000 00
Expended to date	443 15
Balance on hand	$556 85

There are several outstanding bills for stone furnished, which will absorb this balance.

PATTERSON PARK EXTENSION.

This work, of course, remains stationary, with a balance to its credit of $355.03.

The following special appropriations will be required for 1887:

FEDERAL HILL.

For park proper	$3,000 00
For grading Collington-street bluff	3,000 00
Total	$6,000 00

RIVERSIDE PARK.

For maintenance	$3,500 00
For north and east fences, etc	1,000 00
Total	$4,500 00

JOHNSON SQUARE.

To complete stone steps	$1,000 00
To maintain and improve square	1,500 00
To lay brick pavement around square	1,800 00
Total	$4,300 00

COLLINGTON SQUARE.

To carry on work	$3,000 00

FRICK'S TRIANGLE.

To complete work and plant	$1,200 00

As we use considerable quantities of materials of various kinds in the different parks during the year, it is my intention to solicit bids from prominent dealers in those articles, so that contracts for the year's supply may be entered into on the best terms.

Before closing, it is my duty and pleasure to acknowledge the very faithful and efficient performance of their duties by the Local Superintendents, one and all, and I do not think the Commission could better itself in this particular, taking all things into consideration.

Respectfully submitted,

C. H. LATROBE,

General Superintendent and Engineer.

DRUID HILL PARK.

Inventory of Stock, Implements, Wagons, Carts, Tools, Etc.

10 Horses.
136 Sheep.
2 Mules.
2 Collie dogs.
7 Two-horse watering wagons.
1 One-horse watering wagon.
8 Dirt carts.
1 Night cart.
1 Dray.
1 Lumber wagon.
1 Jagger.
1 Express wagon.
1 No-top buggy.
1 Horse rake.
2 Two-horse rakes.
1 One-horse rake.
3 Hand-rollers.
2 Oliver plows.
4 Harrows.
2 Two-horse harrows.
1 One-horse harrow.
3 Hand mowers.
16 Wooden rakes.
6 Iron rakes.
28 Picks.
26 Mattocks.
21 Borden hoes.
2 Morten hoes.
15 Dung forks.

16 Hay forks.
2 Scrapers.
24 Stone hammers.
6 Crowbars.
1 Forge, anvil, and set of blacksmith's tools.
15 shovels (6 in good condition).
18 Ice hooks.
6 Axes.
10 Iron snow shovels.
8 Wooden snow shovels.
12 Reed brooms.
6 Corn brooms.
4 Fire axes.
2 Fire picks.
1 Fire reel, with 134 feet of four-inch hose in bad condition.
150 Feet one-inch hose.
53 Feet three-quarter-inch hose.
1 Brass syringe.
2 Garden trowels.
1 Fumigator.
2 Pruning saws.
4 Cross-cut saws.
1 Pair hedge shears.
1 Pair plant shears.
1 Long handle clipper for trees.
2 Garden lines, with reels.
8 Watering pots.
4 Sieves.
1 Sand screen.
2 Coarse gravel screens.
4 Hatchets.
6 Water cans for workmen.

4 Wooden buckets.
8 Iron buckets at stables.
1 Pair horse clippers.
4 Tool boxes.
1 35-foot ladder.
1 24-foot "
1 16-foot "
4 Scythes.
2 Sickels.
4 Mauls.
8 Wedges.
4 Tool boxes.
1 Dead line.
1 Grappling iron.
8 Lanterns at barn.
6 Large reflecting lanterns at skating pond.
1 Horse snow plow.
4 Hand snow plows.
250 Feet of rope of different sizes.
1 Block and fall.
11 Stoves.
118 Arm-chairs.
10 Spittoons for Mansion porch.
8 Sets of double harness.
2 " plow "
3 " machine "
2 " lead "
1 Set of express "
2 Gum horse covers.
2 Oil-cloth horse covers.
6 Horse blankets.
12 Hatters.
10 Curry combs.

10 Horse brushes.
1 Medicine closet, with small stock of medicine.
1 Small lot of iron and steel.
1 Small lot of new lumber.
1 Large lot of old lumber and pickets.

Inventory of Zoological Collection at Druid Hill Park December, 1886.

27 Assorted Birds.
8 Doves.
2 White Rabbits.
4 White Cockatoos.
4 Rose Cockatoos.
1 Red Macaw.
9 Guinea Pigs.
4 Irish Rabbits.
1 Pheasant.
4 Monkeys.
2 Brazilian Rats.
1 Alligator.
3 Black Bears.
1 Gray Fox.
2 Wild Cats.
2 Hawks.
1 Raven.
2 Raccoons.
1 Dog.
5 Prairie Dogs.
1 Ground Hog.
3 Swans.
2 Bald Eagles.
1 Summer Duck.

2 Sea Lions.
2 Wild Geese.
1 Chinese Goose.
6 Ducks.
100 Deer.
5 Camels.

Inventory of Property at Patterson Park December 31, 1886.

2 Carts.
1 Wagon.
1 Buggy.
1 Water cart.
1 Single-horse roller.
1 Hand roller.
1 Snow plow.
1 Harrow.
1 Cultivator.
3 Plows.
1 Two-horse hay mowing machine.
2 One-horse lawn mowing machines.
2 Hand mowing machines.
2 English scythes.
2 Pair pruning shears (shrubbery).
2 Pair grass edging shears.
2 Tree pruning shears.
2 Cross-cut saws, 4 and 5 feet.
2 Pruning saws.
1 Jack plane.
1 Smoothing plane.
1 Fifty-foot tape line.
1 Spirit level.

1 Brace and 4 bits.
1 Square.
1 Hatchet.
2 Axes.
1 Bricklayer's hammer.
1 Bricklayer's trowel.
1 Twenty-eight foot extension ladder.
1 Eight-foot step-ladder.
4 Snow scrapers.
4 Snow shovels.
6 Long-handle shovels.
2 Short-handle shovels.
3 Mattocks.
4 Picks.
2 Manure forks.
4 Hay forks.
3 Hat rakes.
3 Paint brushes and 2 whitewash brushes.
3 Garden trowels.
3 Garden spades.
3 Garden forks.
2 Garden rakes.
2 Garden hoes.
1 Line and reel.
4 Watering cans.
1 Oil can (5 gallons).
150 Feet ¾-inch hose.
1 Five-foot galvanized pump.
1 Plumber's iron gas pump.
2 Curry combs.
2 Brushes.
1 Sponge.
3 Corn brooms.

3 Rattan brooms.
1 Wood chisel.
1 Steel cold chisel.
2 Sand screens.
2 Soil "
1 Wheelbarrow.
1 Knee-blanket (winter).
1 Summer knee cover.
1 Horse oil cover.
3 Horse blankets.
1 Buffalo robe.
4 Valve keys.
1 Cat and rat rifle.
2 Lanterns (hand).
2 Large reflectors.
1 Large United States ensign.
1 Set of single wagon harness.
1 " " " buggy "
1 " " double wagon "
2 Sets of cart harness.
1 Riding saddle.
1 Riding bridle.
1 Lamplighter.
1 Monkey-wrench.
580 Benches.
3 Stoves.
1 Desk.
4 Large bird cages.
2 Large fire-pokers.
2 Fire-rakers.

List of Buildings in the Park.

One residence (Local Superintendent's).

One stable, carriage-house, tool-house, and barn in one building.

One Conservatory, one Propagating-house, two Pavilions, one carpenter's shop, four water-closets, one ice cream saloon.

Total amount of plants in the Conservatory, 2,624; total amount of the different species of plants in the Conservatory, 152; total amount of the different varieties of plants in the Conservatory, 597.

The Propagating-house contains 20,000 bedding plants, to be used during the coming summer.

Zoological Collection, Patterson Park.

3 Horses.
2 Monkeys.
5 Chinese Geese.
2 Swans.
3 Macaws.
1 Cockatoo.
1 Alligator.
2 Peafowls.

Inventory of Property at Federal Hill Park for the year ending December, 1886.

1 Tool-house.
1 Horse lawn mower.

1 Hand lawn mower.
96 Benches.
18 Long-handle shovels.
4 Spades.
30 Picks.
3 Mattocks.
10 Wheelbarrows.
2 Gravel rakes.
4 Hay rakes.
2 Hay forks.
2 Scythes.
3 Crowbars.
2 Sledge-hammers.
1 Axe.
4 Hoes.
1 Hatchet.
1 Saw.
1 Monkey-wrench.
1 Screw-driver.
1 Edging-knife.
1 Line.
6 Pieces of hose and reel.
1 Paving rammer.
3 Paving hammers.
1 Spirit level.
1 Grindstone.
1 Pruning shears.
3 Sickles.
1 Square.
6 Points.
4 Chisels.
6 Drills.
2 Hammers.

2 Chisels for cutting blocks.
1 Pitching tool.
2 Gutter molds.

Inventory of Property at Riverside Park for the year ending December, 1866.

1 Dirt cart.
1 Watering cart.
1 Horse roller.
1 Horse harrow.
1 Horse mowing machine.
1 Hand mowing machine.
470 Benches.
3 Wheelbarrows.
4 Picks.
2 Spades.
2 Digging forks.
4 Hay rakes.
3 Gravel rakes.
16 Short-handle shovels.
4 Long-handle shovels.
2 Hay forks.
2 Scythes.
1 Edging-knife.
4 Lengths of hose and reel.
2 Sickels.
1 Monkey-wrench.
1 Spirit level.
1 Oil can.
1 Grinding stone.
1 Tree pruning shears.
1 Hatchet.

1 American flag.
1 Hammer.
2 Chisels.
2 Saws.
2 Planes.
1 Bevel.
1 Ladder.
1 Tool-house.
1 Stable.
1 Office.
1 Lot of old lumber.

List of Articles on hand at Johnson Square to date, December 31st, 1886.

2 Wheelbarrows.
1 Wire hand roller.
1 Lawn mowing machine.
400 Feet gum hose.
3 Long-handle shovels.
2 Short-handle shovels.
2 Short-handle spades.
1 Edging-knife.
1 Tree pruner.
1 Pair pruning shears.
1 Scythe.
2 Scythe sneads.
1 Sickle.
1 Saw.
1 Crowbar.
1 Syringe.
1 Mason wire square.
2 Bricklayer's hammers.

1 Spirit level.
1 Axe.
1 Hatchet.
1 Dock weeder.
1 Hand weeder.
2 Iron garden rakes.
1 Wooden rake.
1 Brace and bit.
1 Mason trowel.
1 Hand screen.
1 Large oil can.
1 Small oil can.
3 Picks.
1 Signal lamp.
1 Eight-foot step ladder.
1 Maddock.
1 Cold chisel.
1 Garden hoe.
2 Sodding knives.
2 Stamps for marking tools.
1 Stove and stove pipe.
1 Key for street washer.
500 New paving bricks.
30 Feet of 2-inch tile drain pipe.
12 Feet of 4-inch and 6-inch terra cotta bends.
1 Barrel for tobacco stems.
1 Tool-house (new).
1000 Feet of yellow pine boards, 1x12.

ANNUAL REPORT

OF THE

TRUSTEES OF THE POOR

OF THE

CITY OF BALTIMORE,

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1886.

OFFICERS OF THE INSTITUTION.

BOARD OF TRUSTEES:

JOSEPH FRIEDENWALD, *President.*

JOHN BLACK, *Secretary.* JOHN J. HOFFMAN,
SIMON I. KEMP, JOHN R. HUDGINS,
GEORGE A. BLAKE, FRANCIS CUTAIAR.

GEORGE W. BENNETT.....Superintendent.
WM. HENRY HISS.....Purveyor.
JOHN R. HAMMETT.....Clerk and Storekeeper.
SUSANNA McCAHAN.....Matron.
WILLIAM KAISER.....Engineer.
JAMES J. FARRALL.....Assistant Engineer.
JOHN F. BARRANGER.....Gardener.
THOMAS CONNOR.....Messenger.
JOHN BEISWANGER.....Baker.

MEDICAL DEPARTMENT:

DR. F. R. NORDMAN.....Resident Physician.
DR. R. B. WARFIELD..... " "
DR. J. C. HEMMETER.....{ Resident Physician for Insane Department.
JUSTUS V. STEHL.....Apothecary.

REPORT.

BAYVIEW ASYLUM, December 31, 1886.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

Permit us to lay before you our annual report of the workings of Bayview Asylum, and, in complying with this duty, we cheerfully acknowledge that we were fully encouraged in our arduous duties by your honorable bodies, and also by his Honor the Mayor, James Hodges, who, on various occasions, did us the honor to visit Bayview, and evinced special interest in its humanitarian work.

It has been the persistent object of the Board of Trustees to make Bayview a home for those who deserve its care and protection, and many are now its inmates who formerly had a respectable standing in our community. Old age, debility, and other human infirmities were the prominent factors which compelled them to seek this asylum as a last shelter.

It would be useless at this time to question the cause why this institution is steadily increasing its number of inmates; it may, however, be said that with the increase of wealth and population poverty keeps even pace, which, however, has been augmented, to some

extent, by the continual dullness of the times, and the paucity of work requiring labor.

Those who are in first-class physical condition, and are able-bodied men (when work is scarce), find a preference, and are first employed, but those whose constitutions are weakened by natural infirmities, or wrecked by the indulgence in drink, find it difficult to obtain work, and yet with the latter your Trustees will be compelled to use forbearance, and with humane kindness bear with them. All that can be done with this class is to put them in good physical condition, so that at least they earn a part of their living during the year. In some cases they have partially reformed, left the institution, and earned a livelihood outside. However, we are gratified to say that, as a rule, they behave with commendable decorum, and rarely ever refuse the work assigned them, and have done, during the year, a great deal of work in and around the institution. We refer you to the vast amount of leveling, grading, and making walks, &c., which was done by its inmates.

Our farming operations have been satisfactory, and enabled us to supply the house at large with fresh and wholesome vegetables, in addition to a good and well-regulated diet.

The old and infirm have special attention, and their wants and requirements are promptly attended to, they have the warmest solicitude and attention of the Board of Trustees, whose aim is to make them comfortable and happy.

The medical department is all that can be desired, and the change which was made some time ago, to which we referred in our last report, still continues to give entire satisfaction; and, indeed, as a matter of fact, we will state that the death rate has largely decreased, notwithstanding the increased number of inmates, and many important and difficult surgical operations were made during the year; in fact, no one can get better medical attendance in any station of life than the inmates of Bayview Asylum.

The Board of Trustees beg to acknowledge our thanks to the resident physicians and the respective faculties for their faithful attention to the sick and crippled at Bayview.

INSANE DEPARTMENT.

The Insane Department, which merits much of our solicitude and attention, we are pleased to say is in excellent condition, and will bear comparison with any similar institution; it is managed with special care, and every freedom possible is allowed, little or no restraint is used; care and attention being given to their personal cleanliness, and as a rule they enjoy good health.

The plats of land designated for exercise and recreation for the male and female inmates are now embellished with trees, shrubbery and beautiful walks—all leading to a spacious pavilion, where they can enjoy the fresh air, and at the same time be protected against the hot rays of the sun.

We have every reason to be fully satisfied with the care and attention of our physicians, and beg to acknowledge our appreciation for their faithful services rendered.

As was intimated by us in our last report, that the Insane Department was overcrowded, we are now fully confirmed of the necessity of having an additional building, so as to accommodate and meet that urgent want, in the erection of which a small part could be appropriated for indigent poor imbecile children.

The Board find that they are unable to apportion any part of the present building for that purpose for the want of room, and would call your especial attention to these facts.

We think that an appropriation of twenty thousand dollars would enable us to have ample room, and fully meet the necessities as stated.

INMATES.

There were remaining in the institution on December 31, 1885, 994 inmates; there were admitted during the year 2,240. There were born in the institution during the same period 39 children, making a total of 3,273 who received the benefits of this institution during the year.

The average number of inmates during the year was $984\frac{9}{12}$.

The amount drawn, as per warrants, upon the City Comptroller during the year was $79,993.93, less

$2,661.40, received from sundry sources, as per exhibit, and paid into the City Treasury under existing city ordinance, reducing the net amount expended by the Trustees for the year ending December 31, 1886, to $77,332.53—the cost per capita being $78.53.

The number in the Asylum at this time is 1,216, of which number 1,018 are white, and 198 are colored.

Of the 2,279 admitted during the year, 1,187 were born in the United States, and 1,092 were of foreign birth.

Of the number born in the United States, 401 claim their nativity in the city of Baltimore, 259 were born in the State of Maryland, and 527 claim their nativity in other States of the Union. Of the 39 infants born in the institution, 21 were white, and 18 were colored.

FINANCIAL.

Exhibit No. 1 of this report will show the amount received, and the source from whence it was derived during the year, as also the purpose for which it was expended.

The amount of the appropriation made by the city for the support of the institution for the year ending December 31, 1886, was $80,000; by reference to the aforesaid exhibit, it will be observed that of the amount appropriated, $79,993.93 was drawn from the City Treasury, and $2,661.40 was paid to the City Register.

The amount drawn from the City Treasury has enabled the Trustees to meet and discharge all liabilities in-

curred by them in the management of the trust confided to them. The Trustees, owing to the increased number of patients, find it necessary to ask for an appropriation of eighty thousand dollars for the year 1887.

SANITARY.

The reports of the Resident Physicians herewith gives a detailed statement of the departments under their charge. We would respectfully call your attention to the same.

For important statistics, in connection with the Asylum, we would refer you to the accompanying tables, marked A to M, both inclusive; as also to the reports of the Engineer, Gardener, and Baker.

The Trustees are gratified for the admirable discipline that has prevailed throughout the institution during the year, and for the faithful and efficient manner in which the several officers connected with the Asylum have discharged their respective duties, and for the interest they have at all times manifested to promote the welfare and comfort of the inmates.

Respectfully submitted,

JOSEPH FRIEDENWALD,
JOHN BLACK,
SIMON I. KEMP,
GEORGE A. BLAKE,
JOHN J. HOFFMAN,
JOHN R. HUDGINS,
FRANCIS CUTAIAR,
Trustees.

FINANCIAL EXHIBIT FOR 1886.

Showing the amount received by the Trustees during the year terminating December 31, 1886, the sources from whence derived, and the purposes for which disbursements were made, and the amount expended.

Dr.			Cr.		
1886.			1886.		
Dec. 31—To amount received from City Comptroller on account of annual appropriation..	$79,993	93	Dec. 31—By amount paid for supplies, embracing food, fuel, clothing, bedding, and other necessaries.....	$45,660	36
To amount received from sale of bones, grease, and offals....	126	50	By amount expended on farm account, embracing provender for horses and cows, repair of carriages and wagons, purchases and repairs of farm implements, shoeing animals, and such other expenditures as are properly chargeable to farm account.....	3,728	48
To amount received from inmate boarders.	1,018	94			
To amount received from resident students.....	1,272	46			
To amount received from sale of medicines.....	7	50			
To amount received from sale of live stock.	236	00			

By amount paid for hospital stores.....	$3,744 50
By amount paid for expenses incurred in repairs about the buildings and fences.....	10,872 99
By amount paid for salaries and hire account.....	15,181 60
By amount paid Trustees per diem.....	806 00
By amount paid City Register, as required by ordinance of the city.....	2,661 40
	$82,655 33

FINANCIAL EXHIBIT FOR 1886—Concluded.

RECAPITULATION.

Amount drawn from City Treasury	$79,993 93
Amount paid City Register	2,661 40
Actual amount expended	$77,332 53
Average number of inmates	984 9/12
Cost per capita	$78 53

TABULAR STATEMENT

OF THE

SUPERINTENDENT

MARKED A TO M,

FOR THE YEAR 1886.

TABLE A.

Showing the number of persons admitted, born, discharged, eloped, died, and bound out; also the number remaining at the expiration of each month for year ending December 31, 1886.

DATE.	Admitted.	Born.	Discharged.	Eloped.	Died.	Bound.	Remaining.
January.....	312	3	57	49	9	....	1,194
February....	149	3	68	85	15	....	1,178
March.....	177	3	90	178	17	....	1,073
April.....	169	2	117	150	31	....	946
May.....	133	3	73	127	23	....	859
June.....	101	3	47	74	10	....	832
July.....	133	4	49	57	15	....	848
August.....	187	7	83	68	26	....	865
September...	173	1	84	70	18	....	867
October.....	218	3	71	79	14	....	924
November...	219	3	55	62	14	....	1,015
December....	269	4	38	21	13	....	1,216
Total.....	2,240	39	832	1,020	205	....	11,817

On the books December 31, 1885.....	994
Total ingress.....	2,279
	3,273
Total egress.....	2,057
In the house December 31, 1886.....	1,216

TABLE B.

Showing the birthplace of persons admitted to the Almshouse from January 1, 1886, to December 31, 1886.

Natives.		Foreigners.	
Almshouse	45	England	103
Baltimore	401	Germany	423
Maryland	259	Ireland	429
Virginia	116	Scotland	29
Pennsylvania	96	Wales	4
New York	81	Australia	3
Delaware	15	Canada	13
District of Columbia	19	Bohemia	9
Massachusetts	35	Sweden	4
Ohio	9	Poland	8
North Carolina	13	Denmark	9
Maine	2	Norway	2
Connecticut	4	West Indies	6
Kentucky	2	Switzerland	8
New Jersey	16	Austria	6
Illinois	3	Hungary	2
Louisiana	3	France	7
South Carolina	13	Italy	12
Mississippi	2	South America	1
Georgia	3	Holland	2
West Virginia	5	Turkey	2
Tennesee	1	Africa	1
New Hampshire	1	Bavaria	1
Florida	2	Russia	2
Rhode Island	7	Japan	1
Wisconsin	4	Greece	1
California	3	Central America	1
Indian Territory	1	Malta	3
Unknown	26		
	1,187	Foreigners	1,092
		Natives	1,187
		Total	2,279

TABLE C.

Showing the ages of persons admitted to the Almshouse from January 1, 1886, to December 31, 1886.

Under 1 year	51
From 1 to 5 years	6
" 5 to 10 "	2
" 10 to 15 "	5
" 15 to 20 "	77
" 20 to 30 "	563
" 30 to 40 "	530
" 40 to 50 "	456
" 50 to 60 "	290
" 60 to 70 "	195
" 70 to 80 "	52
" 80 to 90 "	14
" 90 to 100 "	3
Unknown	35
Total	2,279

TABLE D.

Showing the period of residence in the city of all persons admitted into the Almshouse from January 1, 1886, to December 31, 1886.

Born in the Almshouse	45
Born in Baltimore	401
Less than one week	301
One week, and less than one month	197
One month, and less than three months	122
Three months, and less than six months	59
Six months, and less than one year	69
One year, and less than two years	122
Over two years	883
Period of residence unknown	80
Total	2,279

TABLE E.

Showing the habits of persons admitted into the Almshouse from January 1, 1886, to December 31, 1886.

Intemperate adults	1,545
Temperate adults	538
Adults whose habits are unknown	88
Children of intemperate adults	53
Children of temperate adults	51
Children of Adults whose habits are unknown	4
Total	2,279

TABLE F.

Showing the monthly average of persons in the Almshouse from January 1, 1886, to December 31, 1886.

Date.	White.			Colored.				Where from.		
	Men.	Women.	Children.	Men.	Women.	Children.	Total.	City.	Elsewhere.	Total.
January	688	295	14	96	95	6	1,194	542	652	1,194
February	673	293	13	95	95	9	1,178	563	615	1,178
March	559	291	16	98	100	9	1,073	535	538	1,073
April	443	290	14	92	101	6	946	444	502	946
May	368	281	15	83	105	7	859	407	452	859
June	361	279	13	67	105	7	832	423	409	832
July	377	284	14	68	101	4	848	452	396	848
August	393	280	14	66	107	5	865	480	385	865
September	416	275	11	60	103	2	867	483	384	867
October	456	282	10	70	103	3	924	484	440	924
November	540	287	12	71	101	4	1,015	516	499	1,015
December	701	304	13	88	104	6	1,216	732	484	1,216
Total	5,975	3,441	159	954	1,220	68	11,817	6,061	5,756	11,817
Monthly average	$497\frac{11}{12}$	$286\frac{9}{12}$	$13\frac{3}{12}$	$79\frac{6}{12}$	$101\frac{8}{12}$	$5\frac{8}{12}$	$984\frac{9}{12}$	$505\frac{1}{12}$	$479\frac{8}{12}$	$984\frac{8}{12}$

TABLE G.

Showing the number of persons committed to the Almshouse by magistrates, and their age, sex, color, and period of commitment, from January 1, 1886, to December 31, 1886.

Date.	Sex and age.					Color.		Period of comm't.				
	Males over 21.	Males under 21.	Females over 18.	Females under 18.	Total.	White.	Colored.	Total.	Under 3 months.	3 to 6 months.	6 months and over.	Total.
January	11	3	5	....	19	14	5	19	11	5	3	19
February	4	....	3	....	7	7	....	7	2	2	3	7
March	8	....	1	....	9	7	2	9	4	2	3	9
April	10	....	7	....	17	11	6	17	9	6	2	17
May	10	....	5	1	16	9	7	16	9	6	1	16
June	5	....	3	1	9	7	2	9	4	2	3	9
July	6	....	2	....	8	8	....	8	6	1	1	8
August	4	....	6	1	11	7	4	11	4	2	5	11
September	9	1	5	....	15	12	3	15	3	4	8	15
October	9	....	3	....	12	10	2	12	7	4	1	12
November	7	....	7	1	15	9	6	15	5	6	4	15
December	10	6	6	1	23	21	2	23	16	5	2	23
Total	93	10	53	5	161	122	39	161	80	45	36	161

TABLE H.

Showing the birthplace of persons committed to the Almshouse as vagrants, &c., by magistrates from January 1, 1886, to December 31, 1886.

Natives.		Foreigners.	
Baltimore	27	Germany	23
Maryland	13	Ireland	17
Virginia	10	England	5
Massachusetts	10	Australia	2
Pennsylvania	19	France	1
New York	2	Italy	1
South Carolina	1	Hungary	1
West Virginia	2	Malta	1
District of Columbia	1	Sweden	2
New Jersey	1	Switzerland	1
Ohio	1	Denmark	1
Connecticut	19		
	106	Foreigners	55
		Natives	106
		Total	161

TABLE I.

Showing the work done by inmates from January 1, 1886, to December 31, 1886, and its approximated value.

18,780	days labor, at $1	$18,780 00
1,565	" washing and ironing, at 50 cts.	782 50
2,191	" carpenters' work, at $1.50	3,286 50
626	" painting and glazing, at $1.50	939 00
626	" tinners' work, at $1.50	939 00
160	" bricklaying, at $1.50	168 00
104	" plastering, at $1.50	156 00
1,252	" tailoring, at $1.50	1,878 00
626	" cobblers' work, at $1.50	939 00
626	" blacksmithing, at $1.50	939 00
3,725	shirts made, at 12 cents	447 00
1,219	undergarments made, at 15 cents	182 85
982	frocks made, at 25 cents	245 50
302	pairs of drawers made, at 15 cents	45 30
102	pairs of stockings made, at 20 cents	20 40
432	aprons made, at 5 cents	21 60
65	infant slips made, at 10 cents	6 50
902	bed-ticks made, at 15 cents	135 30
1,876	pillow-cases made, at 15 cents	281 40
240	pillow-ticks made, at 5 cents	12 00
937	bed-sheets made, at 5 cents	46 85
87	window-curtains made, at 10 cents	8 70
263	women's jackets made, at 25 cents	65 75
71	table-covers made, at 5 cents	3 55
987	towels made, at 5 cents	49 35
248	slips made, at 20 cents	49 60
92	muslin caps made, at 5 cents	4 60
718	quilts and spreads made, at $1	718 00
32	mosquito nettings made, at 50 cents.	16 00
		$31,167 25

TABLE K.

Showing the quantity of Clothing issued to the Inmates from January 1, 1886, to December 31, 1886.

DATE.	Pairs of Shoes.	Shirts.	Pairs of Men's Hose.	Pantaloons.	Vests.	Jackets.	Coats.	Hats.	Aprons.	Flannel Shirts.	Slips.	Dresses.	Women's Stockings.	Drawers.	Under Garments.	Women's Josies and Jackets.
January	45	168	119	40	7	28	15	9	40	26	15	107	52	28	69	23
February	169	249	96	42	6	9	10	2	49	20	5	21	20	40	16	2
March	67	140	108	88	10	15	17	4	28	10	7	99	8	11	87	15
April	83	118	42	67	6	15	10	48	73	6	11	74	20	...	76	41
May	63	121	24	59	3	19	29	...	22	....	6	36	31	10	67	13
June	85	108	72	62	8	10	28	...	16	....	15	104	34	4	33	50
July	93	103	36	5	8	40	11	36	117	....	...	15	62	...	32	....
August	55	188	12	45	6	10	8	...	2	....	12	29	13	2	30	5
September	52	152	18	36	13	10	9	...	13	12	...	23	9	8	38	3
October	100	207	214	41	9	6	10	...	38	18	10	17	26	76	53	20
November	92	96	145	129	7	17	27	...	3	22	...	82	28	17	80	10
December	82	92	182	187	10	19	22	...	10	31	12	41	36	43	102	18
Total	986	1742	1068	801	93	198	196	99	411	145	93	648	339	239	683	200

TABLE L.

Showing the number of births and deaths in each month; also, the sex and color, from January 1, 1886, to December 31, 1886.

DATE.	BIRTHS.					DEATHS, ADULTS.					DEATHS, CHILDREN.				
	White Males.	White Females.	Colored Males.	Colored Females.	Total.	White Males.	White Females.	Colored Males.	Colored Females.		White Males.	White Females.	Colored Males.	Colored Females.	Total.
January	1	1	..	1	3	5	1	2	1		..	..	..	..	9
February	..	..	2	1	3	7	2	3	3		..	..	..	..	15
March	..	3	..	..	3	7	8	1	1		..	..	..	..	17
April	..	1	..	1	2	17	5	7	1		..	..	..	1	31
May	2	..	1	..	3	7	7	7	2		..	..	..	..	23
June	..	..	1	2	3	3	1	3	2		..	..	1	..	10
July	2	2	..	..	4	5	4	3	3		..	..	..	..	15
August	2	2	2	1	7	5	9	3	7		..	..	1	1	26
September	1	..	..	..	1	8	5	5	..		..	..	..	..	18
October	1	..	1	1	3	5	4	1	4		..	..	..	..	14
November	..	2	1	..	3	4	4	3	3		..	..	..	..	14
December	1	..	1	2	4	6	3	2	2		..	..	..	..	13
Total	10	11	9	9	39	79	53	40	29		..	..	2	2	205

TABLE M.

Showing the names, quantity, and average cost of articles purchased for the Institution from January 1, 1886, to December 31, 1886.

A.

Apples,	16 bbls.,	at $2.40 per bbl.
Axle Grease,	156 lbs.,	at 2 cents per lb.
Alcohol,	10 galls.,	at $2.15 per gall.

B.

Brushes, shaving,	1 doz.,	at $1.25 per doz.
" hand-dusting,	5 "	at 2.60 " "
" scrubbing,	13 "	at 2.70 " "
" whitewash,	8 "	at 12.00 " "
" deck-scrub'ng,	3 "	at 3.15 " "
" paint,	7 "	at 2.90 " "
" shoe,	1 "	at 3.00 " "
" sweeping,	2½ "	at 7.00 " "
Buckets, water,	8 "	at 1.50 " "
" galvz'd iron,	13 "	at 5.00 " "
Butter,	4,254 lbs.,	at 14 cents per lb.
Brooms, corn,	41 doz.,	at $2.90 per doz.
" hickory,	11 "	at 2.75 " "
" street,	1 "	at 5.00 " "
Blankets,	350 pairs,	at 1.90 per pair.
" horse,	3 "	at 2.50 each.
Bricks,	95,800,	at 11.00 per M.
Buckwheat flour,	125 lbs.,	at 3 cents per lb.
Bacon shoulders, plain,	35,332 lbs.,	at 3¼ " "
" " S. C.,	2,812 "	at 5¾ " "
" hams,	2,877 "	at 9 " "
Beef,	80,688 "	at 4 " "
" round, roast, & steak,	11,799 "	at 10 " "

TABLE M—Continued.

Bedsteads,	30,	at $3.50 each.
Buttons,	18 gt. gr.,	at 13½ cts. per gr.
Bed ticking,	1,034 yds.,	at 12 " yd.
Beans,	187 bush.,	at $1.60 per bush
Baskets,	3 doz.,	at 4.00 per doz.
Brogans,	512 prs.,	at 1.20 per pair.
Buskins,	302 prs.,	at 1.10 "

C.

Crackers, water,	1,428 lbs.,	at 6 cents per lb.
" soda,	381 lbs.,	at 7 " "
Calico,	5,081 yds.,	at 4 " per yd.
Candles,	190 lbs.,	at 10 " per lb.
Cheese,	218 "	at 10 " "
Corn starch,	420 "	at 7 " "
" meal,	1,425 "	at 1½ " "
Coal, George's Creek,	2,325 tons,	at $2.60 per ton.
" Sunbury,	180 "	at 4.41 "
Coffee, Laguayra,	1,181 lbs.,	at 16 cents per lb.
" Rio,	8,843 "	at 10 " "
" Hummell's cs'ce,	964 "	at 5 " "
Corn chop,	25,500 "	at 1¼ " "
Crash,	487 yds.,	at 4 " per yd.
Cakes, ginger,	13 bbls.,	at $1.12 per bbl.
" sugar,	4 "	at 2.20 "
Chamois skin,	3,	at 50 cents each.
Corn,	504 bush.,	at 55 cts. per bush.
Cement,	42 bbls.,	at $1.35 per bbl.
Charcoal,	175 "	at 38 cts. per bbl.
Collars, horse,	6,	at $4.00 each

TABLE M—Continued.

Combs, dressing,	18 doz.,	at 40 cts. per doz.
" fine tooth,	30 "	at 30 " "
Cotton waste,	87 lbs.,	at 8 " per lb.
Castings,		at $116.10.
Cotton, batts,	13 doz.,	at 10 cts. per lb.
" knitting,	29 "	at 50 cts. per doz.
" spool,	103 "	at 36 cts. "
Camphor, gum,	32 lbs.,	at 18 cts. per lb.
Carpet,		$260.65.
Construction, &c.,		$5,111.64.

D.

Domestic plaid,	2,402¾ yds.,	at 4 cts. per yd.
Drugs (contract),		$1,846.61.
Dress goods,	4,891 yds.,	at 4 cts. per yd.

E.

Engineers' stores,		$1,483.13.

F.

Flannel,	575 yds.,	at 10 cts. per yd.
Flour, family,	59 bbls.,	at $5.90 per bbl.
" extra,	1,567 "	at $4.50 "
Fire-clay,	4 "	at $2.50 "
Files, saw,	18 doz.,	at $2.00 per doz.
Flaxseed,	98 lbs.,	at 2 cts. per lb.
Furniture,		$538.38.

G.

Glass, window,	22 boxes,	at $2.75 per box.
Glass and queensware,		$196.58.

TABLE M—Continued.

Glue,	18 lbs.,	at 20 cts. per lb.
Grains,	1,433 bush.,	at 7 cts. per bush.
Gingham,	1,197 yds.,	at 2½ cts. per yd.

H.

Hose, women's,	102 doz.,	at 80 cts. per doz.
" men's,	72 "	at 70 cts. "
Hinges,	23 "	at 12 cts. "
Hame strings,	3½ "	at 60 cts. "
Hops,	75 lbs.,	at 28 cts. per lb.
Hay, clover,	5 tons,	at $13.80 per ton.
" timothy,	26 "	at 20.75 " "
Hominy,	13 bbls.,	at 3.60 per bbl.
Hardware,		at $466.25.
Harness and repairs,		at 211.25.
Herrings,	26 bbls.,	at $4.70 per bbl.
Hats,	14½ doz.,	at 1.25 per doz.
Handkerchiefs,	12 "	at 32 cts. per doz.

I.

Ice,	32½ tons,	at $6.00 per ton.
Indigo blue,	18 doz.,	at 22 cts. per doz.

L.

Leather, sole,	847 lbs.,	at 23 cts. per lb.
" calfskin,	112 "	at 83 " "
Lard,	3,478 lbs.,	at 5½ " "
Lead, white,	2,763 "	at 6 " "
Lime and hair,	460 bush.	at 28 cts. per bush.
" chloride of,	2,976 lbs.,	at 3 " " lb.

TABLE M—Continued.

Lumber, culls, dressed,	15,835 feet,	at $19.00 per M.
" miscellaneous,	36,725 "	at 20.00 "
Live stock,		at $453.50.

M.

Men's wear,	2,742 yards,	at 29 cts. per yard.
Muslin, brown,	10,018¼ "	at 6 " "
Mosquito netting,	2,042 "	at 2½ " "
Matches,	118 gross,	at 58 cts. per gross.
Mustard,	47 lbs.,	at 30 cts. per lb.
Malt, ground,	6½ bush.,	at $1.10 per bush.
Mutton,	68,307½ lbs.,	at $3 per 100 lbs.
Molasses,	1,004 galls.,	at 20 cts. per gall.
Mackerel,	4 bbls.,	at $7.50 per bbl.
Middlings,	850 bush.,	at 20 cts. per bush.
Manure and fertilizers,		$149.50.
Miscellaneous,		$3,458.26.

N.

Notions,		$313.28.
Nails, finishing,	48 papers,	at 11c. per paper.
" cut,	32 kegs,	at $2.12 per keg.
Nutmegs,	7 lbs.,	at 48 cts. per lb.
Napkins,	13½ dozen,	at $1.25 per doz.

O.

Oatmeal,	58 bbls.,	$232.00.
Oats,	1,045 bush.,	at 39 cts. per bush.
Oil, lard,	330 galls.,	at 60 " gall.
" gas,	202 bbls.,	at $4.00 per bbl.

TABLE M—Continued.

P.

Padlocks,	8¼ doz.,	at $6.75 per doz.
Pins,	42 pckges.,	at 30 cts. per pkge.
Pies,	1,650,	at 5½ cts. each.
Paints, &c.,		$453.29.
Putty,	212½ lbs.,	at 2½ cts. per lb.
Potatoes,	4,476 bush.,	at 50 cts. per bush.
Potash,	83 lbs.,	at 9 cts. " lb.
Pork, corned,	2,020 lbs.,	at 8 cts. " "
Pepper, black,	278 "	at 13 cts. " "
Peas,	112 bush.,	at $1.00 per bush.
Phenile,	100 galls.,	at $150.00

Q.

Quilts,	200,	at $.150 each.

R.

Rice,	3,220 lbs.,	at 5 cts. per lb.
Raisins,	4 boxes,	at $1.70. per box.
Rivits, tin,	10 lbs.,	at 28 cts. per lb.
Repairs, &c.,		$246.06.

S.

Slip stuff,	640 yds.,	at 10 cts. per yd.
Spectacles,	12 doz.,	at $2.50 per doz.
Starch,	400 lbs.,	at 3½ cts. per lb.
Spoons, tinned iron,	10 gross,	at $3.90 per gr.

TABLE M—Continued.

Soap, toilet,	32 doz.,	at 50 cts. per doz.
" M. L.,	4,892 lbs.,	at 4 cts. per lb.
"	16,799 lbs.,	at 6 cts. per lb.
Shoe laces,	6 gross,	at 38 cts. per gr.
" leather,	7 "	at 40 cts. " "
Spreads,	219,	at 60 cts. each.
Sponges,	6,	at 50 cts. "
Shovels,	10 doz.,	at $9.75 per doz.
Screws,	45 gross,	at 40 cts. " gross.
Salt, fine,	173 bush.,	at 39 cts. " bush.
" G. A.,	49 "	at 24 cts. " "
Soda, cooking,	72 lbs.,	at 2 cts. " lb.
Straw, wheat,	43 tons,	at $9.90 " ton.
" rye,	14 "	at 9.75 " ton.
Solder,	167 lbs.,	at 14 cts. " lb.
Shoe findings,		$28.87.
Sugar, brown,	20,118 lbs.,	at 4¾ cts. per lb.
" white,	8,235 "	at 5½ cts. " "
Shoe blacking,	6 doz.,	at 50 cts. " doz.
Slippers, men's,	6 "	at $1.25.
" women's,	8 "	at 90 cts.
Shoeing and repairs,		$517.76.
Seed, garden, &c.,		98.86.
Stoves and pipes,		120.87.
Spices,		130.34.
Sheeting, 6-4,	1,483 yds.,	at 11 cts. per yd.

T.

Towels,	15 doz.,	at $2.75 per doz.
Thread, patent,	116 lbs.,	at 1.12½ per lb.

TABLE M—Concluded.

Tin plate,	15 boxes,	at 6.75 per box.
Tobacco,	2,298 lbs.,	at 30 cts. per lb.
Tea, Gunpowder,	113 "	at 50 " "
" Black,	762 "	at 42¼ " "
" Imperial,	981 "	at 42¼ " "

V.

Vinegar,	503½ galls.	at 13½ cts. per gall.
Varnish,	12 "	at $1.65 "
" paraffine,	52 "	at 55 cts. "

W.

Woodenware,		$76.28.
Whiskey (hospital),	462½ galls.	at $1.80 per gall.
Wire,	298 lbs.,	at 4½ cts. per lb.

Y.

Yeast powder,	34 doz.,	at $1.15 per doz.

REPORT OF THE ENGINEER.

BAYVIEW ASYLUM, January 1, 1887.

To the Honorable Board of Trustees:

GENTLEMEN:

I herewith most respectfully present to you the annual report of this department for the year ending December 31, 1886.

WM. KAISER, *Engineer.*

Total amount of Cumberland coal consumed, and by what department of the Institution.

1886.	Lbs.	Tons.	Pounds.
Tubular Boiler	3,674,738	1,640	1,138
Blacksmith Shop	8,142	3	1,422
Carpenter Shop	8,730	3	2,010
Main Gate	8,540	3	1,820
East Gate	6,350	2	1,870
West Gate	6,403	2	1,923
	3,712,903	1,657	1,223

Total amount of Sunbury coal consumed, and by what department of the Institution.

1886.	Lbs.	Tons.	Pounds.
Centre Kitchen	78,760	35	360
Matron's Kitchen	51,938	23	418
Ironing Room	27,072	12	192
Bake House	61,220	27	740
Pest Hospitals	45,420	20	620
Insane Hospital	56,900	25	900
	321,310	143	990

Cumberland coal on hand December 31, 1886.. 123 tons.
Sunbury coal on hand December 31, 1886..... 78 "

REPORT OF THE GARDENER.

BAYVIEW ASYLUM, January 1, 1887.

To the Honorable Board of Trustees:

GENTLEMEN:

Permit me, most respectfully, to present this, my annual report, as Gardener of the Institution, for the year ending December 31, 1886.

JOHN F. BARRANGER, *Gardener.*

Articles.	Bushels.	Dozen.	Bunches.	Pounds.	Gallons.	Tons.	Number of.	Prices.	Amount.
Cabbage							6,864	$ 6	$411 84
Tomatoes	485							75	363 75
Potatoes	390							60	234 00
Asparagus			435					20	87 00
Spinach	52							60	31 20
Turnips	694							50	347 00
Carrots	256							1 00	256 00
Parsnips	509							1 00	509 00
Celery			2,340					10	234 00
Corn		89						15	13 35
Pickles							9,800	2 50	24 50
Radishes			420					3	12 60
Green Peas	185							60	111 00
String Beans	165							75	123 75
Leeks			2,670					4	106 80
Parsley			8,900					1	89 00
Lettuce							1,530	5	76 50

Onions			2,353					4	$ 94 12
"	42							3 00	126 00
Thyme			3,865					1	38 65
Lima Beans	73							2 50	182 50
Beets			3,265					4	130 60
Peppers					109			25	27 25
Egg Plants							145	4	5 80
Timothy Hay						20		16 00	320 00
Clover Hay						5		10 00	50 00
Corn Fodder						3		5 00	15 00
Rye Straw						2		9 00	18 00
Oyster Plants			486					5	24 30
C. Sprouts	50							70	35 00
K. Sprouts	256							70	179 20
Gumbo	45							1 00	45 00
Pork				1,232				4½	55 00
Pigs							78	2 50	195 00
Calves							10	5 00	50 00
Ice						200		5 00	1,000 00
Butter				1,533				25	383 25
Cream					526			60	315 60
Milk					7,410			18	1,333 80
Eggs		1,229						16	196 64
									$7,852 00

REPORT OF THE BAKER.

BAYVIEW ASYLUM, January 1, 1887.

To the Honorable Board of Trustees:

GENTLEMEN:

I herewith present my annual report as Baker of this Institution for the year ending December 31, 1886.

Very respectfully,

Your obedient servant,

JOHN BEISWANGER.

Flour received		1,592 bbls.	
Loaves of bread baked	435,872		
Loaves of bread on hand January 1, 1886	1,269		
	437,141		
Loaves of bread sent to store-room	435,476		
On hand January 1, 1887.	1,665		
Weight of bread baked		490,354 lbs.	12 ozs.
Average weight of each loaf		1 lb.	2 "

REPORT

OF THE

RESIDENT PHYSICIANS

For the Year Ending December 31, 1886.

REPORT.

BAYVIEW ASYLUM, January 1, 1887.

To the Honorable Board of Trustees:

GENTLEMEN:

We respectfully submit this our annual report of the Medical Department of this institution for the year ending December 31, 1886.

As seen by the appended statement, there were remaining in the hospital December 31, 1885, one hundred and fifty-two patients (152); one thousand, seven hundred and eighty-three (1,783) were admitted from January 1, 1886, making a total of one thousand, nine hundred and thirty-five (1,935); number cured, one thousand, one hundred and sixty-two (1,162); number relieved, two hundred and ninety (290); number died, one hundred and seventy (170); number remaining, one hundred and sixty-one (161).

These numbers, while large, do not by any means include all those who have been under medical treatment; hundreds of cases more or less severe, ranging from the most unimportant or trivial ailments, to affections very tedious, or even incurable, but still not requiring active hospital treatment, have been prescribed for and treated in various parts of the institution. The treatment of these cases, always numerous,

but much more so in winter than in summer, constitutes a considerable part of the medical work at Bayview.

The medical staff of Bayview are not satisfied in having hospital departments which are good; we want them very good. We recognize, that in order to keep in respectable competition with the best hospitals in the country, we must strive constantly towards improvement—general improvement—which can only be accomplished by gradual additions made where most needed. We think that during the past year a very considerable amount of such improvement is to be noticed. Above all, the employment by the Board of a competent officer as head nurse or supervisor, having general charge of the wards, and having special care of the medicines administered, has, we think, been followed by marked good results. This is, of course, best seen on the male side of the house, where his principal work is, and where, by far, the largest number of patients are treated. So, too, may be mentioned the additions to and improvements in the water-closet system in the hospitals. These additions were much needed, especially on the upper floors, and by their completion the sanitary condition of these departments has been much improved. By strict attention to cleanliness, and by the use of antiseptic and other agents, hospital contagiums have been almost altogether absent during the past year. The few cases of contagious diseases (measles, scarlet fever, and diptheria) which were brought to us were promptly isolated, and every case followed by recovery, without spread of the disease. Typhus fever we have

not had; one case which was somewhat suspicious, was at once sent to the pest-house, where he recovered.

We are glad to be able to say that in our Lying-In Department we have had no case of septic poisoning or death, something unknown in the history of the institution, until within the past two years.

The visiting staff of medical officers is at present thus constituted:

Physicians.	*Surgeons.*
Prof. A. B. Arnold,	Prof. L. McLane Tiffany,
" John Lynch,	" O. J. Coskery,
" I. E. Atkinson,	" J. E. Michael,
" Thomas Latimer,	" C. F. Bevan,
Dr. George H. Rohe,	Dr. Randolph Winslow,
" W. A. Moale,	" J. W. Chambers,
" S. T. Earle,	" W. B. Platt,
" Joseph T. Smith.	" J. H. Branham.

Under the guidance and direction of these gentlemen, the medical work of the past year has been accomplished; they have paid their visits regularly, without regard to personal inconvenience or pecuniary loss, and to them we extend our most hearty thanks for valuable advice, assistance and encouragement.

To Doctors Adsit, Ankrim, Capehart, Campbell, Cooke, Downs, Gaulden, Halsey, Hill, Lenker, McKim, Meredith, Moir, Reamer, Scott, Silljacks, and Wyse, we tender our thanks for the conscientious performance of their duties. So, too, to Mr. Justus Stehl, the

apothecary, who has done his work in a most careful and painstaking way, great praise is due.

We are indebted to the Superintendent, the Matrons, and the officers of the institution for many kindnesses and attentions to the sick under our care.

Finally, gentlemen, permit us to say that we know that in trying to alleviate pain and prolong life among the inmates of this institution, we have had and will have your aid, sympathy, and encouragement, and we take this occasion to thank you individually and collectively for your invariably kind consideration of the various measures we have brought before you during the past year.

Very respectfully yours,

F. R. NORDMANN, M.D.
R. B. WARFIELD, M.D.

TABULAR STATEMENT No. 1.

Of the number of cases treated in Bayview Asylum for the year ending December 31, 1886.

Diseases.	Treated.	Cured.	Relieved.	Died.	Remaining
Abscess (neck)	2	2	....	....	....
" (thigh)	2	2	....	....	....
" (axilla)	7	7	....	....	....
" (peri urethral)	1	1	....	....	....
Adenitis	8	8	....	....	....
Anasarca (senile)	1	....	....	....	1
Aneurism (aorta)	1	....	....	1	....
Anaemia (simple)	18	14	....	....	4
Apoplexy	11	....	3	8	....
Arthritis (chronic)	1	....	....	....	1
" (deformans)	4	....	4	....	....
Asthma	8	....	8	....	....
Balanitis	15	15	....	....	....
Bright's Disease (acute)	2	1	....	1	....
" " (chronic)	36	....	6	24	6
Bronchitis (acute)	50	50	....	....	....
" (chronic)	7	3	4	....	....
Buboes	33	32	....	....	1
Burns	10	6	....	....	4
Carcinoma (face)	1	1	....	....	....
" (neck)	1	....	....	....	1
" (stomach)	1	....	....	1	....
" (uterus)	3	....	1	2	....
Chalazion	1	1	....	....	....
Chancroid	56	52	....	....	4
Cerebral Softening	5	....	....	5	....
Convulsions	5	4	....	1	....
Carbuncle	6	4	....	2	....
Cellutitis	7	6	....	....	1
Cervix Uteri (Laceration of)	3	....	3	....	....

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Died.	Remaining
Cirrhosis (liver)	3	....	....	3	....
Conjunctivitis	33	33	....	....	....
" (purulent)	6	6	....	....	....
Cyst (sebaceous)	2	2	....	....	....
Cystitis	8	8	....	....	....
Debauch	63	62	....	1	....
Delirium Tremens	9	9	....	....	....
Diabetes (Mellitus)	1	....	....	1	....
" (Insipidus)	2	1	1	....	....
Diarrhœa	37	25	9	....	3
Dislocations (shoulder)	2	2	....	....	....
" (elbow)	1	1	....	....	....
" (finger)	1	1	....	....	....
Diphtheria	1	1	....	....	....
Dysentery (acute)	16	13	3	....	....
" (chronic)	20	4	8	7	1
Eczema	11	11	....	....	....
" (chronic hyperthropic)	1	....	....	....	1
Elephantiatis Arabum (legs)	1	....	....	....	1
Emphysema	6	....	4	....	2
Enteritis (acute)	1	1	....	....	....
Endometritis	9	7	....	....	2
Enlarged Testes (chronic)	1	....	1	....	....
" Cervical Glands	14	12	2	....	....
Epididymitis	7	7	....	....	....
Epilepsy	12	2	9	1	....
Epithelioma	6	....	3	....	3
Erysipelas	17	17	....	....	....
Fever (intermittent)	196	194	....	....	2
" (pernicious)	5	1	....	4	....
" (remittent)	15	15	....	....	....

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Died.	Remaining
Fever (scarlet)	2	2	....	....	....
" (typhoid)	13	7	....	5	1
Fistula in Ano	4	3	....	....	1
Fractures (arm)	2	2	....	....	....
" (ankle, Potts')	2	1	....	....	1
" (foot, compound)	1	1	....	....	....
" (jaw)	2	1	....	....	1
" (clavicle)	1	1	....	....	....
" (rib)	4	4	....	....	....
" (leg)	4	3	....	....	1
" (skull)	1	....	....	1	....
" (thigh, neck of)	2	1	....	....	1
Frostbite	15	12	....	1	2
Furunculosis	4	4	....	....	....
Gangrene (acute, leg)	1	....	....	1	....
Gastric catarrh (chronic)	14	11	2	....	1
Gonorrhœa	42	36	3	....	3
Hæmathemesis	1	....	....	1	....
Hæmorrhoids	19	9	10	....	....
Heart Disease	31	....	17	9	5
Hemiplegia	11	....	7	....	4
Hernia	11	....	11	....	....
" (strangulated femoral)	1	1	....	....	....
Hydrocele	5	4	....	....	1
Hysteria	7	4	2	....	1
Icthyosis	1	1	....	....	....
Inanition	1	....	....	1	....
Incontinence (urine)	2	1	....	....	1
Iritis	5	5	....	....	....
Keratitis	4	4	....	....	....
Labium Majora (hypertrophy of)	1	....	1	....	....

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Died.	Remaining
Laryngitis Erysipelatos	1	....	....	1	....
Lead Poisoning	3	2	....	....	1
Lumbago	12	12	....	....	....
Malarial Cachexia	34	6	26	....	2
Malingering	5	5	....	....	....
Marasmus	1	....	....	1	....
Measles	3	3	....	....	....
Meningitis	3	....	....	3	....
Metrorr hagia	6	4	2	....	....
Moribund	1	....	....	1	....
Myelitis	4	....	1	1	2
Necrosis (jaw)	1	....	....	....	1
" (phalanges)	2	....	2	....	....
" (ulna)	1	....	1	....	....
Neuralgia (brachial)	4	3	1	....	....
" (facial)	6	4	....	....	2
" (intercostal)	5	5	....	....	....
Obstipation	1	1	....	....	....
Oedema (of leg)	5	4	1	....	....
Opium habit	4	2	1	....	1
Ozena	1	....	1	....	....
Paralysis (general of insane)	1	....	....	1	....
" (agitans)	1	....	1	....	....
" (bells of face)	1	....	....	....	1
Paraphimosis	2	2	....	....	....
Paraplegia	4	1	3	....	....
Paronychia	13	13	....	....	....
Panaritium	4	4	....	....	....
Perisplenitis	1	1	....	....	....
Phimosis	13	12	....	....	1
Pleurisy (chonic)	6	2	2	....	2

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Died.	Remaining
Pleurisy (acute)	10	8	1	1	....
Pneumonia (lobar)	42	31	....	10	1
" (lobular)	4	2	....	....	2
Poliomyelitis	1	....	1	....	....
Poison Oak (dermatitis)	3	3	....	....	....
Potts' Disease	5	....	5	....	....
Pharyngitis	26	26	....	....	....
Procidentia Uteri	6	....	4	....	2
Prolapsus Rectum	3	2	....	....	1
Psoriasis	2	1	1	....	....
Ptyalism	5	5	....	....	....
Pyaemia	1	1	....	....	....
Pericarditis	2	1	....	1	....
Rheumatism (acute)	57	51	....	....	6
" (chronic)	37	3	20	....	14
" (gonorrhœal)	7	7	....	....	....
Sarcoma (neck)	1	....	....	1	....
Scabies	3	3	....	....	....
Sciatica	2	2	....	....	....
Scald	9	8	1	....	....
Senility	4	....	....	3	1
Strictures (rectal)	2	....	1	....	1
" (urethral)	6	4	1	....	1
Sycosis Parasitica	3	3	....	....	....
Syphilis	89	11	60	4	14
Synovitis	2	1	....	....	1
Sprains	15	12	2	....	1
Tonsillitis	12	12	....	....	....
Tuberculosis	102	....	17	61	24

TABULAR STATEMENT No. 1—Concluded.

Diseases.	Treated.	Cured.	Relieved.	Died.	Remaining
Ulcers	87	67	5	....	15
Urethral Caruncle	1	1	....	....	....
Urticaria	4	4	....	....	....
Vaginitis	11	11	....	....	....
Varicose Veins	7	....	7	....	....
Warts (venerial)	5	5	....	....	....
Wounds (contused)	11	10	....	....	1
" (incised)	12	11	....	....	1
" (lacerated)	3	3	....	....	....
" (punctured)	1	1	....	....	....
" (poisoned)	2	2	....	....	....
Zoster Herpes	2	2	....	....	....
Total	1783	1162	290	170	161

TABULAR STATEMENT No. 2,

Of the surgical operations performed since January 1, 1886.

Diseases.	Treated.	Cured.	Relieved.	Died.	Remaining
Amputations (fingers)	1	1	....	....	....
" (thigh)	1	....	....	1	....
" (toes)	4	4	....	....	....
Circumcision	8	8	....	....	....
Cyst (meibomian)	1	1	....	....	....
" (sebaceous)	2	2	....	....	....
Dislocation (elbow)	1	1	....	....	....
" (finger)	1	1	....	....	....
" (shoulder)	2	2	....	....	....
Drainage of Cold Abscess	2	....	2	....	....
Ectropion	1	1	....	....	....
Excision (epithelioma)	1	1	....	....	....
" (hip)	1	....	1	....	....
" (inguinal glands)	1	1	....	....	....
" (lipoma)	3	3	....	....	....
" (sarcoma of neck)	1	....	....	1	....
" (venerial warts)	4	4	....	....	....
Femoral Hernia (strangulated)	1	1	....	....	....
Fistula in Ano	6	3	3	....	....
Hemorrhoids	3	3	....	....	....
Incision of Prepuce for Phimosis	12	12	....	....	....
Inguinal Hernia (radical)	1	1	....	....	....
Opening Sinuses	4	4	....	....	....
Paracentesis (abdominis)	6	....	6	....	....
" (thoracis)	5	....	5	....	....
Plastic Operation (bun cicatrix)	1	....	1	....	....
Prolapse of Rectum	3	1	2	....	....
" of Uteris	3	....	3	....	....

TABULAR STATEMENT No. 2—Concluded.

Diseases.	Treated.	Cured.	Relieved.	Died.	Remaining
Removal of Necrotic Bone	3	3	....	....	....
Stricture of Urethra	10	7	3	....	....
Taxis (for strangulated inguinal hernia)	4	....	4	....	....
Urethral Caruncle	1	1	....	....	....
Wiring Fractured Jaw	1	....	....	....	1
Total	99	66	30	2	1

Vaccination 48

TABULAR STATEMENT No. 3.

Showing number of births for the year ending December 31, 1886.

White males	10
" females	11
Colored males	9
" females	9
Total	39

Recapitulation.

Remaining in hospital December 31, 1885	152
Total ingress	1,783
	1,935
Total egress	1,774
Remaining in hospital December 31, 1886	161

REPORT

OF THE

Resident Physician of City Insane Hospital,

For the Year Ending December 31, 1886.

REPORT.

BAYVIEW ASYLUM, January 1, 1887.

To the Honorable Board of Trustees:

GENTLEMEN:

In compliance with a by-law of your honorable body, the following report of the operations of this department of the Baltimore City Almshouse is respectfully submitted.

THE HOSPITAL BUILDING.

Another year's experience teaches that our means of accommodation are deficient and demand improvement. It is not necessary to speak here again of the faults in construction referred to in report of 1885.

Gentlemen, you fully appreciate the dangers attached to a four-story building for the care of the insane in case of fire. Every precaution is taken to avoid and subdue fire.

I feel it a duty to urge the importance of special provision for the care of the numerous feeble, filthy patients. It would naturally be the most practical thing if a special building could be provided. Under circumstances, the best and most necessary improvement that can be suggested would be the provision

of a larger number of rooms with asphalt floors. These floors are easier to be kept clean, more durable, and absorb less of the unclean and septic matter discharged by filthy patients than wooden floors.

A room or hall for the amusement of the patients, especially during the winter season, is of great importance, not merely for the pleasure of the patients, but for their more speedy recovery. This means of treatment is everywhere conceded to be an essential in hospitals for the insane.

There has been an unusual amount of painting, repairing, and whitewashing done this year, although not more than seemed to be required. The severe usage to which a building for the insane is subjected makes it necessary that all repairs should be promptly made, to prevent commonplace requirements from becoming extraordinary ones. The ventilation of the building suffices its purpose, and the drainage and sewage is satisfactory.

GENERAL CONDITION OF PATIENTS.

The exemption from calamity during another year gives us cause for profound gratitude. An outbreak of tyhoid fever was restricted to five cases, all of which recovered. The physician in charge unfortunately contracted the disease from these patients, and for a long time was confined to bed. During his illness his duties were kindly performed by his colleagues, Drs. F. R. Nordman and R. B. Warfield. He takes this opportunity to thank them very sincerely for their endeavors in his behalf, which have caused a lasting and grateful impression.

It is proper here to state that a considerable part of the labor in the accomplishment of the improvements during the past year has been done by patients. This labor is not enforced, but is obtained by moral suasion and influence. In most cases it has been performed cheerfully, and has been healthful and beneficial to the patients themselves. The exercise from out-door labor materially improves their mental and physical condition, and they are rendered more contented and quiet by it. Of course this work is less intelligently performed than by sane persons, but, as a whole, it has been of considerable value aside from its beneficial influence on the patients rendering it. One of the future problems of this Asylum also is, how labor can be regularly supplied for so large a number. It is not proposed to discuss this interesting question, and one so intimately related with the future well being of the Asylum at this time. But I venture to suggest to your honorable body that a solution of the question may be reached, at least in part. It becomes necessary to state here—for it is related to the question of labor and its influence on the insane—that physical restraint is virtually at an end in this Asylum. Out of a daily average of 263 insane, only five have at any one time been isolated; only two restrained, and these for surgical reasons. The Insane Hospital was under the direct management of the Johns Hopkins University, being represented by visiting alienists and physicians in person of Professor G. Stanley Hall, Dr. William T. Councilman, Dr. James Carey Thomas,and Dr. Henry W. Thomas. The influence of the experience of these gentlemen has made itself apparent in the general good management, number of those that have recovered, or been very much improved.

The insane in our institution are an unusual class, they are now universally recognized as chronic pauper insane. Many are admitted in a hopeless condition. Other hospitals do not send us curable, easily manageable cases, and keep the chronic, filthy, and violent themselves. Twelve or thirteen patients this year were admitted in a dying condition.

By kindness of your honorable board we have been freed from the imbecile children; it can, however, not be doubted that the general Asylum is not a proper place for them, and sooner or later a separate building for them, must become necessary.

An embarrassment is frequently experienced in procuring the necessary funds for expenses incurred in producing entertainments, and means for proper occupation and diversion of patients. An effort is now made to create a fund for the amusement and diversion of patients by voluntary contributions. It is supported by President Daniel C. Gilman; Trustee Dr. J. C. Thomas; Professors H. Newell Martin and G. Stanley Hall, of the Johns Hopkins University. Allow me to call attention to the amount of pleasure and good that the benevolently disposed have in their power to bestow.

LEGAL PROVISIONS.

During the past year the Legislature of the State of Maryland has passed an act providing insanity laws that compare very favorably with those of any State in the Union, and appointing a State Lunacy Commission, which visits all institutions for the insane in the State at least twice a year.

ON THE INCREASE OF INSANITY.

The census of 1860 gave 24,000 insane to 31,000,000 in round numbers, or one to every 1,300. The census of 1870 gave 37,000 to 38,000,000, or one insane person to every 1,000; while the census of 1880 gave 92,000 to 50,000,000, or one insane person to every 545 of the population, showing an increase of nearly 100 per cent., while the increase of the population is only 25 per cent. Now, although there are plausible reasons to believe that this is only an apparent increase, its effect is very evident in our State, and it cannot fail to remind the proper authorities that more extensive provisions for the care of the insane will soon become necessary.

To you, gentlemen of the Board, I desire to return my thanks for the cordial support you have always extended to me; and it is to the wise direction received from you that the Asylum is largely indebted for its present prosperity. The same close attention and devotion to the interests of the institution that has characterized our united efforts in the past, will but enlarge its field of usefulness and increase its power to aid in relieving suffering and restoring health to the afflicted. With this object steadily in view, and relying upon divine aid in our efforts, we enter upon the work of another year.

JOHN COHN HEMMETER,

Physician in Charge Management of the Johns Hopkins University.

JANUARY 1, 1887.

General operation of Insane Hospital.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Present December 31, 1885	82	92	18	32	224
Admitted from Baltimore	46	33	13	10	102
" " Spring Grove	19	15	..	..	34
" " Mount Hope	9	4	..	..	13
Transferred from Bayview Asylum.	15	11	5	8	39
Total	171	155	36	50	412
Died	13	11	6	5	35
Discharged	30	20	4	10	64
Transferred to Bayview Asylum	15	9	2	6	32
Eloped	5	1	1	2	9
Eloped on pass	2	2	3	1	8
Total	65	43	16	24	148
Present December 31, 1886	106	112	20	26	264

Number admitted, discharged, and died in each month, with average population.

	Admitted.	Discharged.	Died.	Average.
January	52	14	3	245 16/31
February	10	10	2	258 3/4
March	14	8	2	257
April	13	9	5	258 1/5
May	18	8	4	265 4/31
June	14	10	2	268 1/5
July	7	2	4	268 2/31
August	19	14	3	270 7/31
September	9	15	4	263 1/2
October	14	5	3	264 14/31
November	11	10	1	264 23/30
December	7	8	2	265 29/31
	188	113	35	

Assigned causes of insanity in those admitted during the year.

	Males.	Females.
Domestic troubles	10	11
Ill-health from grief, anxiety, overwork, and loss of sleep	17	15
Puerperal condition	..	5
Masturbation	8	1
Epilepsy	4	6
Opium habit	1	..
Excess of tobacco	1	..
Intemperance	14	..
Syphilis	1	..
Injury to head	..	1
Scarlatina	1	..
Fright	..	2
Chorea	..	1
Uterine disease	..	3
Senility	3	2
Congenital	1	..
Unknown	46	34
Males	107	81
Females	81	
Total	188	

Hereditary transmission in one hundred and eighty-eight cases admitted.

	Males.	Females.
Father insane	4	1
Mother "	6	5
Paternal relatives insane	2	2
Maternal " "	1	2
Paternal and maternal relatives insane	2	2
Brothers insane	4	2
Sisters "	3	1
Hereditary insanity denied	31	34
Unknown	40	46
Males	93	95
Females	95	
Total	188	

Places from which patients were transferred.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
From home (Baltimore)	46	33	13	10	102
" Maryland State Hospital for Insane	19	15	..	..	34
" Mount Hope Retreat	9	4	..	..	13
" Baltimore City Almshouse	15	11	5	8	39
Total					188

Form of mental disorder in 188 cases on admission.

Mania (acute)	19
" (sub-acute)	9
" (chronic)	32
" (periodic)	2
" (puerperal)	4
Dementia (acute)	3
" (chronic)	39
" (senile)	24
" (with epilepsy)	5
" (with paralysis)	6
Melancholia (simple)	18
" (with epilepsy)	8
Epilepsy	2
Paresis	8
Imbecility	3
Not insane	6
Total	188

Causes of Deaths.

Exhaustion from Chronic Mania	2
" " Acute Mania	2
Tubercular Meningitis	2
Chronic Pacley Meningitis	2
Cerebo-Spinal Meningitis	1
Cerebral Hemorrhage	1
General Paresis	6
Pulmonary Tuberculosis	3
Tubercular Peritonitis	1
Suppurative Peritonitis	1
Chronic Diffuse Nephsitis	2
Chronic Dysentery	3
Epilepsy	1
Pneumonia	1
General Paresis and Heart Disease	1
Senile Debility and Decay	2
Heart Failure	1
Unknown	2
Suicide	1
Total	35

PYSCHOSIS.

Form of mental disorder when admitted of those discharged recovered.

	Males.	Females.
Mania (acute)	15	11
" (sub-acute)	3	1
Melancholia (simple)	5	8
Dementia (simple)	1	..
Epilepsy	1	..
Males	25	20
Females	20	
Total	45	

Form of Pyschosis of those who died.

	Males.	Females.
Mania (acute)	4	6
" (sub-acute)	2	1
" (epileptic)	1	
Melancholia	3	4
Dementia (senile)	2	3
" (chronic)	1	1
" (epileptic)	1	..
" (with paralysis)	3	1
General Paresis	2	..
Males	19	16
Females	16	
Total	35	

Period of residence of those discharged.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Less than 1 month	16	7	3	1	27
Between 1 and 3 months	9	9	..	5	23
" 3 and 6 "	6	6	1	5	18
" 6 and 12 "	9	5	5	4	23
" 1 and 2 years	10	1	1	3	15
" 2 and 4 "	....	3	..	..	3
" 8 and 10 "	....	1	..	..	1
" 12 and 14 "	2	....	..	..	2
" 25 and 30 "	....	....	..	1	1
	52	32	10	19	113

Total discharged..... 113

Period of residence in Insane Hospital of those that died.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Less than 1 month	4	2	2	1	9
Between 1 and 3 months	2	4	2	1	9
" 3 and 6 "	1	1	1	1	4
" 6 and 12 "	3	1	1	..	5
" 1 and 2 years	2	1	..	..	3
" 2 and 4 "	1	1	..	1	3
" 4 and 6 "	....	1	..	..	1
" 6 and 8 "	....	....	..	1	1
	13	11	6	5	35

Total of those that died..... 35

Those admitted more than once.

1	White Male	Admitted	twice.
1	" Female	"	three times.
2	" Females	"	twice.
1	Colored Female	"	"

Condition of those discharged.

Cured	45
Very much improved	15
Improved	14
Not improved	33
Not insane	6
Died from disease developed in hospital	21
Admitted in a dying condition	14
Total	148

ANNUAL REPORT

OF THE

JUDGES OF THE APPEAL TAX COURT,

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1886.

REPORT.

APPEAL TAX COURT,

BALTIMORE, January 1, 1887.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

We herewith report the result of our work for the year 1886.

Tabular statement A shows the taxable basis charged to the City Collector from the years 1882 to 1886, inclusive, with the assessments added to each, and the collections and abatements made on each.

Tabular statement B exhibits by wards the number of building permits issued during the year.

Tabular statement C, the Assessor's Report, shows the number of new buildings and additional improvements assessed, the wards in which they are severally located, and the detailed and aggregate valuations of the same.

Following these tables will be found the reports respectively of the Assesors for Real Estate and the Bailiffs.

TABLE A.

Statement of property for each year that stand charged to the City Collector December 31, 1886.

1882.	*Real.*	*Personal.*
Amount of assessment unpaid January 1, 1886	$95,380	$213,297
Amount of refunds to January 1, 1886	588	
	$95,968	$213,297
Amount of abatements during 1886	$ 100	$116,240
Amount collected during 1886.	23,992	12,548
Amount remaining uncollected, closed by limitation.	71,876	84,509
	$95,968	$213,297
1883.		
Amount of assessment unpaid January 1, 1886	$285,229	$809,059
Amount of refunds to January 1, 1886	968	
	$286,197	$809,059
Amount of abatements during 1886	$ 100	$476,466
Amount collected during 1886	253,620	157,213
Amount remaining uncollected	32,477	175,380
	$286,197	$809,059

TABLE A—Continued.

1884.	*Real.*	*Personal.*
Amount of assessment unpaid January 1, 1886	$4,374,703	$1,807,873
Amount of new assessment during 1886		1,600
Amount of refunds during 1886	14,694	
	$4,389,397	$1,809,473
Amount of abatements during 1886	$ 42,715	$787,765
Amount collected during 1886	4,288,960	660,050
Amount remaining uncollected	57,722	361,658
	$4,389,397	$1,809,473

1885.		
Amount of assessment unpaid January 1, 1886	$56,902,585	$11,775,062
Amount of new assessment during 1886	10,775	201,971
Amount of refunds during 1886	107,539	
	$57,020,899	$11,977,033

TABLE A—Concluded.

1885.	*Real.*	*Personal.*
Amount of abatements during 1886	$ 330,897	$2,032,772
Amount collected during 1886	53,271,778	6,388,095
Amount of plant exempt in 1885		1,343,235
Amount of plant Consolidated Gas Company and Equitable Gas Company	488,600	
Amount remaining uncollected	2,929,624	2,212,931
	$57,020,899	$11,977,033
1886.		
Amount of assessment remaining as part of assessment of 1885	$194,229,642	$36,319,424
Amount of new assessment, less abatements on appeals.	4,065,822	1,275,198
Amount of new assessment, incorporated companies		22,493,430
Amount of new assessment during 1886	29,446	121,283
	$198,324,910	$60,209,335
Amount of abatements durduring 1886	$ 594,336	$ 1,699,254
Amount collected during 1886	140,559,177	47,359,274
Amount remaining uncollected	57,171,397	11,150,807
	$198,324,910	$60,209,335

RECAPITULATION.

Amount of different years charged to City Collector January 1, 1887.

1883—Real	$ 32,477		
Personal..	175,380		
		$207,857	
1884—Real.....	$ 57,722		
Personal..	361,658		
		$419,380	
1885—Real.	$2,929,624		
Personal..	2,212,931		
		$5,142,555	
1886—Real.....	$57,171,397		
Personal..	11,150,807		
		$68,322,204	
		$74,091,996	
Less amount of plant 1886.....	$1,380,742		
Less amount of plant Consolidated Gas Co. and Equitable Gas Co	602,780		
		$1,983,522	
			$72,108,474

TABLE B.

The number of permits issued from January 1, 1886, to December 31, 1886, for new buildings and improvements was three thousand, one hundred and sixty, and apportioned among the several wards as follows:

Wards.	New Improvements.	Additional Improvements.	Total.
1	293	51	344
2	9	23	32
3		23	23
4	9	8	17
5	17	22	39
6	5	18	23
7	319	41	360
8	256	14	270
9	12	14	26
10	25	17	42
11	12	16	28
12	130	19	149
13	19	20	39
14	13	25	38
15	13	23	36
16	43	32	75
17	322	50	372
18	558	47	605
19	399	36	435
20	178	29	207
	2,632	528	3,160

TABLE C.

BALTIMORE, January 1, 1887.

To the Honorable the
Judges of the Appeal Tax Court:

I most respectfully submit the result of my labors for the year ending December 31, 1886, of the number of new and additional improvements, the several wards in which they are located, and assessed value of same:

Wards.	New Improvements.	Additional Improvements.	Value.
1	344	26	$ 321,000
2	10	11	15,100
3	1	12	15,800
4	7	5	13,300
5	19	16	48,350
6	4	14	13,550
7	152	41	186,300
8	182	1	271,900
9	6	5	101,300
10	25	4	474,700
11	17	7	188,050
12	178	16	693,250
13	21	17	40,700
14	13	22	92,250
15	14	22	198,000
16	44	23	60,625
17	216	19	199,825
18	377	15	267,900
19	220	18	230,400
20	139	22	155,600
	1,989	316	$3,587,900

Very respectfully,

THOMAS K. MCCORMICK,
Assessor.

BALTIMORE, January 3, 1887.

To the Honorable Judges
of the Appeal Tax Court:

GENTLEMEN:

The undersigned Assessors have the honor to submit for your consideration their report for the year ending December 31, 1886.

For abatements allowed on property, made on the petitions of owners claiming to be over-assessed, see tabular statement annexed:

Wards.	No. of Appeals.	No. Granted.	No. Dismissed.	Amount Abated.
1	30	21	9	$ 6,275
2	14	10	4	6,600
3	15	7	8	2,850
4	11	3	8	900
5	38	26	12	14,550
6	21	16	5	3,575
7	37	14	23	3,000
8	29	9	20	3,100
9	35	15	20	20,600
10	22	11	11	7,325
11	24	12	12	9,400
12	72	59	13	66,650
13	28	15	13	7,675
14	34	18	16	9,400
15	22	18	4	6,125
16	23	15	8	5,750
17	9	7	2	2,700
18	37	17	20	4,265
19	102	42	60	13,625
20	28	17	11	7,100
	631	352	279	$202,065

Respectfully submitted,

JAMES W. GEDDES,
F. G. MAXWELL,
Assessors.

FRANCIS X. JENKINS, *Clerk.*

TAX DEPARTMENT,

CITY COLLECTOR'S OFFICE—CITY HALL,

BALTIMORE, January 1, 1887.

To the Honorable Judges of the
Appeal Tax Court for Baltimore City:

GENTLEMEN:

The undersigned reports the Bailiffs' Department as having made assessments of personal property to March 1, 1886, of the following amount: One million, six hundred and twenty-six thousand, three hundred and fifteen dollars ($1,626,315).

Respectfully submitted,

GEORGE WM. SNYDER, *Bailiff.*

REFUNDS.

From January 1, 1886, to January 1, 1887, there have been ninety-six (96) orders for refunding of taxes, given generally to parties who have paid in error, either as double payments, or on wrong property, or having paid on old improvements torn down, as well as on the new improvements.

TRANSFERS.

From January 1, 1886, to January, 1, 1887, there have been seven thousand, three hundred and forty-eight (7,348) transfers of property, against 6,740 for 1885, and 5,836 for 1884.

PLANT.

The amount of application and exemption from city taxes for plant for 1886 aggregate a total of $1,380,742 to individuals, and exemption to Consolidated Gas Company and Equitable Gas Company $602,780; total, $1,983,522.

It is a principle, recognized by the highest authorities in the law, that taxation, to be just, should be equal, uniform, and general. It is true, that a perfect equalization of the burdens of taxation is unattainable and utopian, and exact and critical justice cannot be had in every case; but it is, nevertheless, incumbent upon those administering this department always to keep in mind these great ends.

It is gratifying to notice, in this connection, that considerable progress was made in the year 1886 over the previous year in the accomplishment of these purposes.

In the year 1885 there were 1,538 appeals made to this Court by aggrieved property-owners of real and leasehold estate, who thought they were over-assessed; whereas, in the year just closed there were only 631 such appeals filed.

In the year 1885 the abatements allowed amounted to $1,068,016. In the year just closed they amount to only $202,065.

The Assessors seem to have given very assiduous and careful attention to the examination of these

appeals, and the Court has not felt disposed to disturb their returns, except upon weighty reasons.

The Court, when the citizen has requested it, have reviewed the Assessors' report, and some member of it has gone and inspected the premises, and in most of the cases it has confirmed the Assessors' report; for it must be remembered that Assessors are invested with a very large discretion, and are held responsible for the performance of their duties, "according to the dictates of their own judgment." As we remarked in a previous report, "the Assessors are sworn officers of experience, specially charged with this responsible duty, and who make inspection of the property upon which abatements are asked. They may sometimes err in their estimate of valuation, but if they act with skill and prudence they are not liable for mistakes and inaccuracies."

The Legislature of 1886 passed a law "to create a commission to inquire into and ascertain facts concerning the subject of taxation, and to make a report to the next General Assembly." It authorized the Governor to appoint a commission of four persons who, together with a fifth, selected by the four, should constitute a "Tax Commission." The powers of this Commission are very large, and they are required to make a full, detailed, and accurate report for the use of the next General Assembly.

The Commission was appointed by the Governor, and its members are now at work. It will probably result in their suggesting, among other reforms, a general re-assessment of all properties in the State;

and, it is the opinion of this Court, that such a measure, so far as the city is concerned, will be greatly promotive of a more equal and uniform system.

Respectfully submitted,

H. CLAY DALLAM,
JAMES E. CARR,
WM. H. B. FUSSELBAUGH,
Judges of Appeal Tax Court.

H. P. MOWINCKEL, *Chief Clerk.*
MICHAEL H. DOYLE, *Assistant Clerk.*

ANNUAL REPORT

OF THE

DEPARTMENT

OF

STREET CLEANING

OF THE

CITY OF BALTIMORE,

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31st, 1886.

OFFICERS AND EMPLOYEES

OF THE

Department of Street Cleaning,

FOR THE YEAR 1896.

B. E. SMITH,

Commissioner of Street Cleaning.

FRANK DANDELET,

Clerk.

Superintendents of Streets:

B. V. KELLY, *1st District.* G. E. MCCAULEY, *2d District.*
MICHAEL FADGEN, *3d District.* JAS. F. BUSEY, *4th District.*
HENRY LANCASTER, *5th District.* C. G. WATERS, *6th District.*

Superintendents of Dumps:

JOHN HOLDEFER, *Canton.* LOUIS E. FEFEL, *Spring Garden.*
F. P. QUINN, *Back Basin.* J. T. CROPPER, *Eager Street.*
ALFRED FREEDY, *South Baltimore.*

REPORT.

DEPARTMENT OF STREET CLEANING—CITY HALL,

BALTIMORE, January 1, 1887.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

I have the honor to submit herewith the report of the Street Cleaning Department, in conformity with the provisions of Ordinance No. 6, approved February 21, 1882.

The annexed tables show the number of men employed, the work performed, the money expended, and the amount received for refuse, &c., during the year, by this Department. By reference to table C, may be seen the work performed, under Ordinance of February 3, 1886, appropriating $10,000 for the removal of snow, &c. I would suggest that the same sum be appropriated, annually, to be used by the Commissioner, in like emergencies, with the approval of the Mayor.

The work of laying gas mains, new railroad tracks, &c., has added greatly to the regular work of cleaning the streets; they, however, with the lanes and alleys,

have been kept in good condition. The constantly increasing number of vehicles on many of the thoroughfares, renders it necessary to clean them at night, and thus increases the cost of the labor.

The garbage branch of the service has improved in discipline and efficiency during the past year. As this is a branch that is brought in direct communication with each house, to relieve it of what may occasion inconvenience and disease, ample provision should be made to secure regular removals. Owing to the large number of houses built during the past year, it is necessary to increase this force, for which, I respectfully ask an increase in the appropriation.

The market houses have been cleaned after market hours. This part of the work draws largely upon the appropriation, without showing satisfactory results; however, the prompt removal of the market people, at the expiration of the lawful hours, would partially remedy the difficulty.

Your commissioner again respectfully invites your attention to the fact that, while Ordinance No. 6, of 1882, confers on the head of this Department all the power formerly vested in the Board of Health, the Health Commissioner and Assistant Health Commissioner, in relation to street cleaning and collection of garbage in the city, it gives him no power of employing the persons to perform the work. As he is responsible for the expenditure of the appropriation and general management of the Department, he should have this authority.

After the proper advertisement for bids for the removal of garbage and the sale of street dirt, accord-

ing to the provisions of the Ordinance, approved May 25, 1882, a contract was entered into with Matthew W. Adams for said removal, for the sum of eight thousand, two hundred and fifty dollars, ($8,250,) and with Thomas E. Burke, for the purchase of the street dirt, for eighteen hundred dollars ($1,800.) These contracts are for one year, from July 1, 1886. No provision has been made for the payment of the removal of garbage for the first six months, due December 31, 1886.

By reference to table B, it will be seen that your Commissioner has realized from the sale of refuse, &c., during the year, and turned over to the Comptroller, twenty-two hundred and ninety-nine dollars, and sixty eight cents ($2,299.68.)

In conclusion, I return thanks to the superintendents for their earnest co-operation, and also to the men employed.

The following is an estimate of expenses for the Department for the year 1887:

134 Garbage carts and men	$125,424 00
56 Street carts and men	52,416 00
120 Sweepers and scrapers	62,400 00
Contract for removal of garbage, &c	8,250 00
Salaries	9,000 00
Dumps	4,500 00
Tools and incidentals	1,950 00
	$263,940 00

Respectfully submitted,

B. E. Smith,

Commissioner of Street Cleaning.

TABLES.

TABLE A.

Weekly Report showing amount of work done in the Street Cleaning Department, the number of men and carts employed in the several Districts, and amount of money expended for the same, from Jan. 1, to Dec. 31, 1886.

FIRST DISTRICT. — B. V. KELLY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	No. of Scrapers and Sweepers Employed	Total amount of Loads Removed.	Total amount of Expenditures.
Week ending Jan. 11.....	772	880	$306 00	$346 00	17	9	22	1652	$652 50
" " 18.....	802	2160	378 00	504 66	17	8	21	2962	882 66
" " 25	781	1112	306 00	354 00	17	8	21	1893	660 00
	2355	4152	$990 00	$1205 16	51	25	64	6507	$2195 16
Week ending Feb. 1	665	1055	$306 00	$348 66	17	8	21	1725	$654 66
" " 8	721	1539	306 00	324 25	17	8	21	2260	630 25
" " 15.....	732	1329	306 00	352 50	17	8	21	2061	658 50
" " 22.	695	1440	306 00	354 00	17	8	21	2135	660 00
	2813	5363	$1224 00	$1379 41	68	32	84	8176	$2603 41

TABLE A—Continued.

FIRST DISTRICT. B. V. KELLY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	No of Scrapers and Sweepers Employed.	Total amount of Loads Removed.	Total Amount of Expenditures.
Week ending Mar. 1.....	736	740	$306 00	$338 06	17	8	21	1476	$644 06
" " 8.....	761	625	306 00	286 33	17	8	21	1386	592 33
" " 15.....	732	760	306 00	339 00	17	8	21	1492	645 00
" " 22.....	766	760	306 00	354 00	17	8	21	1526	660 00
" " 29.....	774	760	306 00	353 16	17	8	21	1534	659 16
	3769	3645	$1530 00	$1670 55	85	40	105	7414	$3200 55
Week ending Apr. 5 . ..	773	725	$306 00	$3.1 00	17	8	21	1498	$617 00
" " 12.....	782	747	306 00	315 00	17	8	21	1529	621 00
" " 19.....	774	870	306 00	354 00	17	8	21	1644	660 00
" " 26.....	758	760	306 00	354 00	17	8	21	1518	660 00
	3087	3102	$1224 00	$1334 00	68	32	84	6189	$2558 00

Week ending May 3.....	736	880	$306 00	$354 00	17	8	21	1616	$660 00
" " 10	711	800	306 00	347 33	17	8	21	1511	653 33
" " 17.....	768	946	306 00	316 83	17	8	22	1714	622 83
" " 24.....	655	920	306 00	354 83	17	8	22	1575	660 83
" " 31	807	1000	306 00	364 00	17	8	22	1807	670 00
	3677	4546	$1530 00	$1736 99	85	40	108	8223	$3266 99
Week ending Jun. 7.....	720	840	$306 00	$364 00	17	8	22	1560	$670 00
" " 14	681	920	306 00	364 00	17	8	22	1601	670 00
" " 21	639	995	306 00	364 00	18	9	22	1634	670 00
" " 28	691	900	306 00	355 66	17	8	22	1591	661 66
	2731	3655	$1224 00	$1447 66	69	33	88	6386	$2671 66
Week ending July 5.....	648	950	$306 00	$341 00	17	8	22	1598	$647 00
" " 12.....	647	920	306 00	364 00	17	8	22	1567	670 00
" " 19	684	840	306 00	360 66	17	8	22	1524	666 66
" " 26.....	546	760	306 00	347 33	17	8	22	1306	653 33
	2525	3470	$1224 00	$1412 99	68	32	88	5995	$2636 99

TABLE A—Continued.

FIRST DISTRICT. — B. V. KELLY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed	Number of Street Carts Employed.	No. of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Aug. 2.....	589	720	$306 00	$355 66	17	8	21	1309	$661 66
" " 9.....	672	640	306 00	364 00	17	8	21	1312	670 00
" " 16.....	678	720	306 00	349 33	17	8	22	1398	655 33
" " 23	750	760	306 00	364 00	17	8	22	1510	670 00
" " 30.	680	760	306 00	364 00	17	8	22	1440	670 00
	3369	3600	$1530 00	$1796 99	85	40	108	6969	$3326 99
Week ending Sept. 6.....	631	660	$306 00	$356 50	17	8	22	1291	$662 50
" " 13	703	720	306 00	364 00	17	8	22	1423	670 00
" " 20	679	720	306 00	359 83	17	8	22	1399	665 83
" " 27.....	735	760	306 00	364 00	17	8	22	1495	670 00
	2748	2860	$1224 00	$1444 33	68	32	88	5608	$2668 33

Week ending Oct. 4.....	703	720	$306 00	$363 16	17	8	22	1423	$669 16
" " 11.....	703	720	306 00	364 00	17	8	22	1423	670 00
" " 18.....	710	720	306 00	364 00	17	8	22	1430	670 00
" " 25	657	760	306 00	369 00	17	8	23	1417	675 00
	2773	2920	$1224 00	$1460 16	68	32	89	5693	$2684 16
Week ending Nov. 1	648	760	$306 00	$374 00	17	8	23	1408	$680 00
" " 8.....	650	760	306 00	369 83	17	8	23	1410	675 83
" " 15	624	760	306 00	359 83	17	8	22	1384	665 83
" " 22 ...	632	760	306 00	374 00	17	8	23	1392	680 00
" " 29.....	627	800	306 00	360 66	17	8	22	1427	666 66
	3181	3840	$1530 00	$1838 32	85	40	113	7021	$3368 32
Week ending Dec. 6.....	645	800	$306 00	$358 16	17	8	22	1445	$664 16
" " 13.....	694	1944	306 00	380 66	17	8	24	2638	686 66
" " 20.....	687	1104	306 00	384 83	17	8	25	1791	690 83
" " 27	663	1160	306 00	394 00	17	8	25	1823	700 00
	2689	5008	$1224 00	$1517 65	68	32	96	7697	$2741 65

TABLE A—Continued.

SECOND DISTRICT. — GEO. E. McCAULEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	No of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Jan. 5.....	699	574	$396 00	$269 63	22	8	16	1273	$665 63
" " 12.....	707	434	396 00	233 80	22	8	16	1141	629 80
" " 19.....	728	1849	396 00	460 95	22	8	16	2577	856 95
" " 26.....	728	870	396 00	280 45	22	8	16	1598	676 45
	2862	3727	$1584 00	$1244 83	88	32	64	6589	$2828 83
Week ending Feb. 2	728	1022	$396 00	$330 62	22	8	16	1750	$726 62
" " 9.....	728	1081	396 00	305 44	22	8	16	1809	701 44
" " 16.....	728	1200	396 00	302 34	22	8	16	1928	698 34
" " 23.....	728	950	396 00	302 50	22	8	16	1678	698 50
	2912	4253	$1584 00	$1240 90	88	32	64	7165	$2824 90

Week ending Mar. 2....	728	530	$396 00	$171 10	22	8	17	1258	$567 10
" " 9.....	728	850	396 00	290 98	22	8	17	1578	686 98
" " 16	728	704	396 00	288 62	22	8	17	1432	684 62
" " 23	728	752	393 00	307 65	22	8	17	1480	700 65
" " 30.....	728	696	396 00	273 00	22	8	17	1424	669 00
	3640	3532	$1977 00	$1331 35	110	40	85	7172	$3308 35
Week ending Apr. 6	728	624	$393 00	$266 15	22	8	17	1352	$659 15
" " 13	728	648	396 00	249 85	22	8	17	1376	645 85
" " 20.....	759	760	411 00	312 50	23	8	18	1519	723 50
" " 27.....	761	728	414 00	312 34	23	8	18	1489	726 34
	2976	2760	$1614 00	$1140 84	90	32	70	5736	$2754 84
Week ending May 4.....	761	768	$414 00	$314 00	23	8	18	1529	$728 00
" " 11	830	608	414 00	266 17	23	8	18	1438	680 17
" " 18	830	688	408 00	289 00	23	8	18	1518	697 00
" " 25.....	830	712	411 00	294 35	23	8	18	1542	705 35
	3251	2776	$1647 00	$1163 52	92	32	72	6027	$2810 52

TABLE A—Continued.

SECOND DISTRICT. — GEO. E. McCAULEY, Sup't.	Garbage and Ashes Removed	Street Dirt, Sand, &c., Removed	Cost of Removal of Garbage	Cost of Removal of Street Dirt, Sand, &c	Number of Garbage Carts Employed	Number of Street Carts Employed	No. of Scrapers and Sweepers Employed	Total Amount of Loads Removed	Total Amount of Expenditures
Week ending June 1	832	768	$408 00	$313 16	23	8	17	1600	$721 16
" " 8	831	760	411 00	305 00	23	8	17	1591	716 00
" " 15	837	768	411 00	314 00	23	8	18	1605	725 00
" " 22	839	760	414 00	313 35	23	8	18	1599	727 35
" " 29	838	736	414 00	304 68	23	8	17	1574	718 68
	4177	3792	$2058 00	$1550 19	115	40	87	7969	$3608 19
Week ending July 6	837	760	$414 00	$313 33	23	8	18	1597	$727 33
" " 13	776	752	414 00	313 50	23	8	18	1528	727 50
" " 20	791	768	396 00	308 15	23	8	18	1559	704 15
" " 27	801	768	402 00	309 82	23	8	18	1569	711 82
	3205	3048	$1626 00	$1244 80	92	32	72	6253	$2870 80

Week ending Aug. 3	814	760	$414 00	$303 32	23	8	18	1574	$717 32
" " 10.....	814	656	411 00	261 34	23	8	18	1470	672 34
" " 17	820	768	414 00	314 00	23	8	18	1588	728 00
" " 24 ...	838	744	414 00	313 65	23	8	18	1582	727 65
" " 31	859	736	414 00	305 50	23	8	17	1595	719 50
	4145	3664	$2067 00	$1497 81	115	40	89	7809	$3564 81
Week ending Sept. 7.....	883	784	$408 00	$315 33	23	9	17	1667	$723 33
" " 14.....	885	832	414 00	314 35	23	9	17	1717	728 35
" " 21	900	864	414 00	323 65	23	9	18	1764	737 65
" " 28 .. .	873	856	414 00	329 66	23	9	17	1729	743 66
	3541	3336	$1650 00	$1282 99	92	36	69	6877	$2932 99
Week ending Oct. 5.....	833	864	$411 00	$323 65	23	9	18	1697	$734 65
" " 12.....	793	840	414 00	329 15	23	9	18	1633	743 15
" " 19.....	790	832	411 00	326 83	23	9	18	1622	737 83
" " 26	776	856	414 00	332 99	23	9	18	1632	746 99
	3192	3392	$1650 00	$1312 62	92	36	72	6584	$2962 62

TABLE A—Continued.

SECOND DISTRICT. — GEO. E. McCAULEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed	Number of Street Carts Employed.	No. of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Nov. 2.....	775	824	$414 00	$315 35	23	9	18	1599	$729 35
" " 9.....	491	856	411 00	333 83	23	9	18	1347	744 83
" " 16.....	704	856	399 00	335 50	23	9	18	1560	734 50
" " 23	513	856	414 00	331 34	23	9	18	1369	745 34
" " 30.....	548	832	414 00	323 50	23	9	18	1380	737 50
	3031	4224	$2052 00	$1639 52	115	45	90	7255	$3691 52
Week ending Dec. 7.....	586	808	$411 00	$314 84	23	9	18	1394	$725 84
" " 14	653	832	414 00	336 00	23	9	18	1485	750 00
" " 21	654	812	414 00	329 75	23	9	18	1466	743 75
" " 28.....	596	864	414 00	334 49	23	9	18	1460	748 49
	2489	3316	$1653 00	$1315 08	92	36	72	5805	$2968 08

THIRD DISTRICT.

MICHAEL FADGEN, SUP'T.

Week ending Jan. 6.....	602	693	$252 00	$376 26	14	11	23	1295	$628 26
" " 13.....	602	945	252 00	470 56	14	11	21	1547	722 56
" " 20.....	602	1056	252 00	408 00	14	11	21	1658	660 00
" " 27.....	602	1089	252 00	404 67	14	11	21	1691	656 67
	2408	3783	$1008 00	$1659 49	56	44	86	6191	$2667 49
Week ending Feb. 3	602	1340	$252 00	$458 00	14	11	21	1942	$710 00
" " 10.....	602	1293	252 00	408 00	14	11	21	1895	660 00
" " 17.....	602	1254	252 00	407 16	14	11	21	1856	659 16
" " 24.....	602	1188	252 00	408 00	14	11	21	1790	660 00
	2408	5075	$1008 00	$1681 16	56	44	84	7483	$2689 16
Week ending Mar. 3.....	602	704	$252 00	$368 03	14	11	21	1306	$620 03
" " 10	602	668	252 00	341 17	14	11	21	1270	593 17
" " 17.....	602	748	252 00	400 33	14	11	21	1350	652 33
" " 24.....	602	759	252 00	403 00	14	11	21	1361	655 00
" " 31... .	602	748	252 00	397 67	14	11	21	1350	649 67
	3010	3627	$1260 00	$1910 20	70	55	105	6637	$3170 20

TABLE A—Continued.

THIRD DISTRICT. MICHAEL FADGEN, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	No. of Scrapers and Sweepers Employed.	Total amount of Loads Removed.	Total Amount of Expenditures.
Week ending Apr. 7 . ..	602	598	$252 00	$374 50	14	11	21	1200	$626 50
" " 14.....	609	748	255 00	408 00	15	11	22	1357	663 00
" " 21.....	602	770	252 00	407 16	14	11	21	1372	659 16
" " 28.....	602	737	252 00	406 33	14	11	21	1339	658 33
	2415	2853	$1011 00	$1595 99	57	44	85	5268	$2606 99
Week ending May 5	616	704	$252 00	$408 00	14	11	21	1320	$660 00
" " 12	616	694	252 00	388 83	14	11	21	1310	640 83
" " 19.....	588	698	252 00	382 00	14	11	21	1286	634 00
" " 26	574	770	252 00	406 32	14	11	21	1344	658 32
	2394	2866	$1008 00	$1585 15	56	44	84	5260	$2593 15

Week ending Jun. 2	574	726	$252 00	$408 00	14	11	21	1300	$660 00
" " 9	588	748	252 00	408.00	14	11	21	1336	660 00
" " 16	588	748	252 00	406 33	14	11	21	1336	658 33
" " 23	588	748	252 00	426 32	14	11	23	1336	678 32
" " 30.....	588	770	252 00	425 49	14	11	23	1358	677 49
	2926	3740	$1260 00	$2074 14	70	55	109	6666	$3334 14
Week ending July 7.....	588	814	$252 00	$418 50	14	11	23	1402	$670 50
" " 14.....	588	808	252 00	423 16	14	11	23	1396	675 16
" " 21	588	770	252 00	424 67	14	11	23	1358	676 67
" " 28.....	588	803	252 00	427 17	14	11	23	1391	679 17
	2352	3195	$1008 00	$1693 50	56	44	92	5547	$2701 50
Week ending Aug. 4.....	588	781	$252 00	$415 50	14	11	23	1369	$667 50
" " 11.....	588	814	252 00	421 33	14	11	23	1402	673 33
" " 18.....	588	847	252 00	425 50	14	11	23	1435	677 50
" " 25.....	588	814	252 00	423 83	14	11	23	1402	675 83
	2352	3256	$1008 00	$1686 16	56	44	92	5608	$2694 16

TABLE A—Continued.

THIRD DISTRICT. — MICHAEL FADGEN, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c	Number of Garbage Carts Employed.	Number of Street Carts Employed.	No. of Scrapers and Sweepers Employed	Total amount of Loads Removed.	Total amount of Expenditures.
Week ending Sept. 1.....	588	837	$252 00	$422 17	14	11	23	1425	$674 17
" " 8.....	602	710	252 00	427 16	14	11	23	1312	679 16
" " 15	630	847	252 00	423 83	14	11	23	1477	675 83
" " 22	630	858	252 00	426 33	14	11	23	1488	678 33
" " 29	622	858	252 00	422 17	14	11	23	1480	674 17
	3072	4110	$1260 00	$2121 66	70	55	115	7182	$3381 66
Week ending Oct. 6	644	792	$252 00	$424 67	14	10	23	1436	$676 67
" " 13	584	814	252 00	421 34	14	11	23	1398	673 34
" " 20.....	672	726	252 00	438 00	14	11	23	1398	690 00
" " 27.	630	770	252 00	431 33	14	11	23	1400	683 33
	2530	3102	$1008 00	$1715 34	56	43	92	5632	$2723 34

Week ending Nov. 3.....	630	770	$252 00	$396 00	14	11	24	1400	$648 00
" " 10	602	792	252 00	438 00	14	11	24	1394	690 00
" " 17	630	770	252 00	437 16	14	11	24	1400	689 16
" " 24.....	644	726	252 00	438 00	14	11	24	1370	690 00
	2506	3058	$1008 00	$1709 16	56	44	96	5564	$2717 16
Week ending Dec. 1	658	737	$252 00	$432 17	14	11	24	1395	$684 17
" " 8.....	658	814	252 00	411 33	14	11	25	1472	663 33
" " 15.....	672	990	252 00	443 00	14	11	25	1662	695 00
" " 22.....	672	1056	252 00	439 67	14	11	25	1728	691 67
" " 29.....	672	990	252 00	411 00	14	11	25	1662	663 00
	3332	4587	$1260 00	$2137 17	70	55	124	7919	$3397 17

TABLE A—Continued.

FOURTH DISTRICT. — JAMES F. BUSEY, Sup't.	Garbage and Ashes Removed	Street Dirt, Sand, &c., Removed	Cost of Removal of Garbage	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed	Number of Street Carts Employed	No. of Scrapers and Sweepers Employed	Total amount of Loads Removed	Total amount of Expenditure
Week ending Jan. 7.....	1049	1085	$414 00	$369 57	23	11	23	2134	$783 57
" " 14	1082	1465	414 00	488 16	23	10	22	2547	902 16
" " 21	1072	1489	414 00	458 22	23	10	22	2561	872 22
" " 28 ...	1069	1568	414 09	484 84	23	10	22	2637	898 84
	4272	5607	$1656 00	$ 800 79	92	41	89	9879	$3456 79
Week ending Feb. 4	1039	1698	$414 00	$513 95	23	10	22	2737	$927 95
" " 11	1067	2500	414 00	400 00	23	10	22	3567	814 00
" " 18.....	1067	1686	414 00	400 00	23	10	22	2753	814 00
" " 25	1058	1709	414 00	400 00	23	10	22	2767	814 00
	4231	7593	$1656 00	$1713 95	92	40	88	11824	$3369 95

Week ending Mar. 4.....	1066	863	$414 00	$213 80	23	10	22	1929	$627 80
" " 11	1060	1093	414 00	399 49	23	10	22	2153	813 49
" " 18	1066	1132	414 00	403 65	23	10	23	2198	817 65
" " 25	1061	1192	414 00	413 70	23	10	23	2253	827 70
	4253	4280	$1656 00	$1430 64	92	40	90	8533	$3086 64
Week ending Apr. 1.....	1061	1096	$414 00	$363 76	23	10	23	2157	$777 76
" " 8	1035	1096	414 00	328 35	23	10	23	2131	742 35
" " 15	1286	1086	468 00	382 00	26	9	22	2372	850 00
" " 22.....	1136	1192	468 00	382 00	26	9	22	2328	850 00
" " 29	1307	1185	456 00	392 00	26	9	23	2492	848 00
	5825	5655	$2220 00	$1848 11	124	47	113	11480	$4068 11
Week ending May 6.....	1151	1190	$468 00	$392 00	26	9	23	2341	$860 00
" " 13	1201	1185	468 00	380 79	26	9	23	2386	848 79
" " 20	1361	1066	468 00	383 97	26	9	23	2427	851 97
" " 27.....	1336	1267	468 00	390 32	26	9	23	2603	858 32
	5049	4708	$1872 00	$1547 08	104	36	92	9757	$3419 08

TABLE A—Continued.

FOURTH DISTRICT. JAMES F. BUSEY, Sup't.	Garbage and Ashes Removed	Street Dirt, Sand, &c., Removed	Cost of Removal of Garbage	Cost of Removal of Street Dirt, Sand, &c	Number of Garbage Carts Employed	Number of Street Carts Employed	No. of Scrapers and Sweepers Employed	Total Amount of Loads Removed.	Total Amount of Expenditures
Week ending June 3	1341	1191	$468 00	$392 00	26	9	23	2532	$860 00
" " 10	1236	1172	468 00	392 00	26	9	23	2408	860 00
" " 17	1189	1174	453 00	387 98	26	9	23	2363	840 98
" " 24	1229	1176	468 00	390 32	26	9	23	2405	858 32
	4995	4713	$1857 00	$1562 30	104	36	92	9708	$3419 30
Week ending July 1	1264	1167	$468 00	$389 48	26	9	23	2431	$857 48
" " 8	1195	1152	468 00	385 64	26	9	23	2347	853 64
" " 15	1235	1175	468 00	392 00	26	9	23	2410	860 00
" " 22	1225	1171	468 00	392 00	26	9	23	2396	860 00
" " 29	1240	1191	468 00	392 00	26	9	23	2431	860 00
	6159	5856	$2340 00	$1951 12	130	45	115	12015	$4291 12

Week ending Aug. 5	1230	1170	$468 00	$392 00	26	9	23	2400	$860 00
" " 12.....	1322	1192	468 00	390 32	26	9	23	2514	858 32
" " 19	1243	1193	468 00	390 33	26	9	23	2436	858 33
" " 26 ...	1282	1181	468 00	392 00	26	9	23	2463	860 00
	5077	4736	$1872 00	$1564 65	104	36	92	9813	$3436 65
Week ending Sept. 2.....	1307	1220	$468 00	$385 64	26	9	23	2527	$853 64
" " 9.....	1317	1159	444 00	388 66	26	9	23	2476	832 66
" " 16.....	1325	1190	438 00	392 00	26	9	23	2515	830 00
" " 23	1274	1170	468 00	377 61	26	9	23	2444	845 61
" " 30.....	1202	1196	468 00	391 16	26	9	23	2398	859 16
	6425	5935	$2286 00	$1935 07	130	45	115	12360	$4221 07
Week ending Oct. 7.....	1191	1112	$468 00	$388 82	26	9	23	2303	$856 82
" " 14.....	1272	1200	468 00	390 32	26	9	23	2472	858 32
" " 21.....	1217	1197	468 00	385 32	26	9	23	2414	853 32
" " 28	1315	1192	468 00	382 00	26	9	22	2507	850 00
	4995	4701	$1872 00	$1546 46	104	36	91	9696	$3418 46

TABLE A—Continued.

FOURTH DISTRICT. JAMES F. BUSEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed	Number of Street Carts Employed.	No. of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Nov. 4.....	1259	1120	$468 00	$373 44	26	9	23	2379	$841 44
" " 11.....	1179	1192	468 00	392 00	26	9	23	2371	860 00
" " 18	1364	1187	468 00	384 98	26	9	23	2551	852 98
" " 25.....	1183	1072	462 00	359 10	26	9	23	2255	821 10
	4985	4571	$1866 00	$1509 52	104	36	92	9556	$3375 52
Week ending Dec. 2.....	1143	1104	$468 00	$385 64	26	9	23	2247	$853 64
" " 9.....	1253	1060	468 00	298 71	26	9	23	2313	766 71
" " 16	1123	1268	468 00	392 00	26	9	3	2391	860 00
" " 23	1223	1041	468 00	392 00	26	9	23	2264	860 00
" " 30.....	1243	1062	468 00	291 04	26	9	23	2305	759 04
	5985	5535	$2340 00	$1759 39	130	45	115	11520	$4099 39

FIFTH DISTRICT.

HENRY LANCASTER, Sup't.

Week ending Jan. 8.....	804	941	$432 00	$357 50	24	10	18	1745	$789 50
" " 15.....	824	2420	432 00	486 34	24	10	18	3244	918 34
" " 22.....	803	1052	432 00	417 50	24	10	18	1855	849 50
" " 29.....	833	1203	432 00	436 66	24	10	18	2036	868 66
	3264	5616	$1728 00	$1698 00	96	40	72	8880	$3426 00
Week ending Feb. 5 ..	820	1200	$432 00	$366 00	24	10	18	2020	$798 00
" " 12.....	819	700	432 00	360 00	24	10	18	1519	792 00
" " 19.....	821	1100	432 00	360 00	24	10	18	1921	792 00
" " 26.....	800	900	432 00	365 20	24	10	18	1700	797 20
	3260	3900	$1728 00	$1451 20	96	40	72	7160	$3179 20
Week ending Mar. 5.....	822	634	$432 00	$281 33	24	10	18	1456	$713 33
" " 12	814	776	432 00	337 00	24	10	18	1590	769 00
" " 19.....	794	749	432 00	360 00	24	10	18	1543	792 00
" " 26.....	806	732	432 00	356 66	24	10	18	1538	788 66
	3236	2891	$1728 00	$1334 99	96	40	72	6127	$3062 99

TABLE A—Continued.

FIFTH DISTRICT. — HENRY LANCASTER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	No of Scrapers and Sweepers Employed.	Total amount of Loads Removed.	Total Amount of Expenditures.
Week ending Apr. 2 . ..	805	662	$432 00	$315 00	24	10	18	1467	$747 00
" " 9.....	778	726	426 00	340 50	24	10	18	1504	766 50
" " 16.....	756	778	414 00	360 00	23	10	18	1534	774 00
" " 23.....	740	733	414 00	360 00	23	10	18	1473	774 00
" " 30 .. .	704	750	414 00	360 00	23	10	18	1454	774 00
	3783	3649	$2100 00	$1735 50	117	50	90	7432	$3835 50
Week ending May 7	762	933	$414 00	$360 00	23	10	18	1695	$774 00
" " 14	746	1022	414 00	360 00	23	10	18	1768	774 00
" " 21.....	709	743	408 00	333 16	23	10	18	1452	741 16
" " 28	710	933	414 00	360 00	23	10	18	1643	774 00
	2927	3631	$1650 00	$1413 16	92	40	72	6558	$3063 16

Week ending June 4.....	702	742	$414 00	$360 00	23	10	18	1444	$774 00
" " 11.....	686	888	411 00	360 00	23	10	18	1574	771 00
" " 18.....	672	951	414 00	360 00	23	10	18	1623	774 00
" " 25.....	680	745	414 00	343 83	23	10	18	1425	757 83
	2740	3326	$1653 00	$1423 83	92	40	72	6066	$3076 83
Week ending July 2	624	720	$414 00	$367 00	23	10	19	1344	$781 00
" " 9.....	643	830	411 00	367 50	23	10	19	1473	778 50
" " 16.....	636	763	411 00	370 00	23	10	19	1399	781 00
" " 23.....	622	740	414 00	362 00	23	10	19	1362	776 00
" " 30.....	622	728	414 00	365 33	23	10	19	1350	779 33
	3147	3781	$2064 00	$1831 83	115	50	95	6928	$3895 83
Week ending Aug. 6.....	624	743	$414 00	$365 00	23	10	19	1367	$779 00
" " 13	617	714	414 00	370 00	23	10	19	1331	784 00
" " 20.....	599	754	411 00	370 00	23	10	19	1353	781 00
" " 27.....	613	745	414 00	380 00	23	10	20	1358	794 00
	2453	2956	$1653 00	$1485 00	92	40	77	5409	$3138 00

TABLE A—Continued.

FIFTH DISTRICT. HENRY LANCASTER, Sup't.	Garbage and Ashes Removed	Street Dirt, Sand, &c., Removed	Cost of Removal of Garbage	Cost of Removal of Street Dirt, Sand, &c	Number of Garbage Carts Employed	Number of Street Carts Employed	No. of Scrapers and Sweepers Employed.	Total amount of Loads Removed	Total Amount of Expenditures
Week ending Sept. 3	590	759	$414 00	$380 00	23	10	20	1349	$794 00
" " 10	591	743	414 00	380 00	23	10	20	1334	794 00
" " 17	606	691	414 00	363 33	23	10	20	1297	777 33
" " 24	600	744	414 00	380 00	23	10	20	1344	794 00
	2387	2937	$1656 00	$1503 33	92	40	80	5324	$3159 33
Week ending Oct. 1	608	825	$414 00	$380 00	23	10	20	1433	$794 00
" " 8	605	743	414 00	378 33	23	10	20	1348	792 33
" " 15	623	742	414 00	380 00	23	10	20	1365	794 00
" " 22	612	744	414 00	380 00	23	10	20	1356	794 00
" " 29	576	780	414 00	380 00	23	10	20	1356	794 00
	3024	3834	$2070 00	$1898 33	115	50	100	6858	$3968 33

Week ending Nov. 5.....	612	753	$414 00	$373 33	23	10	20	1365	$787 33
" " 12	631	754	414 00	380 00	23	10	20	1385	794 00
" " 19	711	743	414 00	380 00	23	10	20	1454	794 00
" " 26.....	712	732	414 00	380 00	23	10	20	1444	794 00
	2666	2982	$1656 00	$1513 33	92	40	80	5648	$3169 33
Week ending Dec. 3	759	747	$414 00	$375 00	23	10	20	1506	$789 00
" " 10.....	742	1046	414 00	407 66	23	10	20	1788	821 66
" " 17.....	831	1070	414 00	386 66	23	10	21	1901	800 66
" " 24.....	759	1031	414 00	381 83	23	10	20	1790	795 83
" " 31.....	778	527	414 00	231 66	23	10	20	1305	645 66
	3869	4421	$2070 00	$1782 81	115	50	101	8290	$3852 81

TABLE A—Continued.

SIXTH DISTRICT. — CHAS. G. WATERS, Supt.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	No. of Scrapers and Sweepers Employed	Total amount of Loads Removed.	Total amount of Expenditures.
Week ending Jan. 9.....	1029	900	$480 00	$324 97	27	9	19	1929	$804 97
" " 16.....	1061	1800	564 00	465 62	27	9	19	2861	1029 62
" " 23	1086	1800	486 00	378 03	27	9	20	2886	864 03
" " 30	1088	1503	486 00	382 13	27	9	20	2591	868 13
	4264	6003	$2016 00	$1550 75	108	36	78	10267	$3566 75
Week ending Feb. 6	1076	1800	$486 00	$387 00	27	9	20	2876	$873 00
" " 13	1094	1800	486 00	352 00	27	9	19	2894	838 00
" " 20.....	1059	1800	486 00	352 00	27	9	19	2859	838 00
" " 27.	1066	1575	486 00	352 00	27	9	19	2641	838 00
	4295	6975	$1944 00	$1443 00	108	36	77	11270	$3387 00

Week ending Mar. 6.....	1073	295	$477 00	$199 52	27	9	19	1368	$676 52
" " 13.....	1019	1070	486 00	360 50	27	9	19	2089	846 50
" " 20.....	1038	1350	486 00	362 00	27	9	20	2388	848 00
" " 27.....	1017	1363	480 00	368 00	27	9	20	2380	848 00
	4147	4078	$1929 00	$1290 02	108	36	78	8225	$3219 02
Week ending Apr. 3.....	1038	900	$486 00	$304 94	27	9	20	1938	$790 94
" " 10.....	1094	1044	486 00	314 94	27	9	20	2138	800 94
" " 17.....	1038	1125	486 00	362 00	27	9	20	2163	848 00
" " 24.....	944	1251	486 00	362 00	27	9	20	2195	848 00
	4114	4320	$1944 00	$1343 88	108	36	80	8434	$3287 88
Week ending May 1.....	860	1215	$486 00	$362 00	27	9	20	2075	$848 00
" " 8.....	840	1260	486 00	362 00	27	9	20	2100	848 00
" " 15.....	939	1187	486 00	344 62	27	9	20	2126	830 62
" " 22.....	857	1172	486 00	348 44	27	9	20	2029	834 44
" " 29.....	884	1260	486 00	362 00	27	9	20	2144	848 00
	4380	6094	$2430 00	$1778 06	135	45	100	10474	$4209 06

TABLE A—Continued.

SIXTH DISTRICT. — CHAS. G. WATERS, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	No. of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending June 5	873	1287	$486 00	$362 00	27	9	20	2160	$848 00
" " 12.....	839	1260	486 00	362 00	27	9	20	2099	848 00
" " 19	779	1123	486 00	334 97	27	9	20	1902	820 97
" " 26.....	795	1160	486 00	347 78	27	9	20	1955	833 78
	3286	4830	$1944 00	$1406 75	108	36	80	8116	$3350 75
Week ending July 3	791	1259	$486 00	$362 00	28	10	20	2050	$848 00
" " 10	792	1169	486 00	336 64	28	10	20	1961	822 64
" " 17 ...	788	1260	486 00	360 33	27	9	21	2048	846 33
" " 24.....	788	1171	486 00	349 28	27	9	20	1959	835 28
" " 31.....	776	1167	486 00	348 44	27	9	20	1943	834 44
	3935	6026	$2430 00	$1756 69	137	47	101	9961	$4186 69

Week ending Aug. 7	776	1170	$486 00	$362 00	27	9	20	1946	$848 00
" " 14.....	780	1212	486 00	348 44	27	9	20	1992	834 44
" " 21	767	1215	486 00	362 00	27	9	20	1982	848 00
" " 28 ...	770	1215	486 00	362 00	27	9	20	1985	848 00
	3093	4812	$1944 00	$1434 44	108	36	80	7905	$3378 44
Week ending Sept. 4.....	791	1127	$486 00	$336 64	27	9	20	1918	$822 64
" " 11.....	792	1215	486 00	362 00	27	9	20	2007	848 00
" " 18	786	1215	486 00	362 00	27	9	20	2001	848 00
" " 25.....	793	1215	486 00	365 33	27	9	21	2008	851 33
	3162	4772	$1944 00	$1425 97	108	36	81	7934	$3369 97
Week ending Oct. 2.....	774	1215	$486 00	$365 33	27	9	21	1989	$851 33
" " 9.....	798	1215	486 00	365 33	27	9	21	2013	851 33
" " 16.....	827	1215	486 00	365 33	27	9	21	2042	851 33
" " 23.....	827	1260	486 00	365 33	27	9	21	2087	851 33
" " 30	883	1170	486 00	365 33	27	9	21	2053	851 33
	4109	6075	$2430 00	$1826 65	135	45	105	10184	$4256 65

TABLE A—Concluded.

SIXTH DISTRICT. — CHAS. G. WATERS, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed	Number of Street Carts Employed.	No. of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Nov. 6.....	790	1170	$486 00	$365 33	27	9	21	1960	$851 33
" " 13.....	834	1278	486 00	365 33	27	9	21	2112	851 33
" " 20	845	1077	486 00	323 24	27	9	21	1922	809 24
" " 27.....	826	1130	486 00	351 77	27	9	21	1956	837 77
	3295	4655	$1944 00	$1405 67	108	36	84	7950	$3349 67
Week ending Dec. 4.....	939	1170	$486 00	$365 33	27	9	21	2109	$851 33
" " 11	1020	1082	486 00	339 97	27	9	21	2102	825 97
" " 18	1001	1215	486 00	365 33	27	9	21	2216	851 33
" " 25.....	1042	1215	486 00	365 33	27	9	21	2257	851 33
	4002	4682	$1944 00	$1435 96	108	36	84	8684	$3379 96

TABLE B.

Report of Work done in the Department of Street Cleaning, for each Month of the Year, ending December 31st, 1886, and amount expended for Dumps, Tools and Incidentals; also total amount of receipts for Refuse, &c.

MONTH ENDING	Total No of Loads of Garbage collected and removed.	Total No. Loads Street Dirt, Sand, Snow, Ice, &c., col. and removed.	Cost of Collecting and Removing Garbage.	Cost of Collecting and Removing Street Dirt, Sand, Ice, Snow, &c.	Cost of the several Dumps.	Expenditures for Tools, Incidentals, &c.	No of Garbage Carts Employed.	Number of Street Carts Employed.	No. of Scrapers and Sweepers employed.	Total number of Loads of all kinds removed.	Total expenditures for work done in Street and Garbage Department.	Total amount of money received and paid to Comptroller.	M. W. Adams for removal of Garbage.
January 31.	19,425	28,888	$8,982 00	$9,159 02	$375 00	$42 05	127	56	118	48,313	$18,558 07	$93 64	$4,125 00
February 28.	19,919	33,159	9,144 00	8,909 62	363 00	151 00	127	56	117	53,078	18,567 62	20 85	....
March 31	22,055	22,053	10,080 00	8,967 75	381 00	134 96	127	56	120	44,108	19,563 71	.....	.....
April 30	22,200	22,339	10,113 00	8,998 32	389 00	246 77	130	56	120	44,539	19,747 09	425 00	2,062 50
May 31.	21,651	24,553	10,137 00	9,224 96	372 00	98 90	130	55	122	46,184	19,832 86	90 00	....
June 30.	20,855	24,056	9,996 00	9,464 87	527 16	125 62	130	55	122	44,911	20,113 65	... ...	.....
July 31.	21,323	25,376	10,692 00	9,890 93	394 60	212 62	130	55	125	46,699	21,190 15	443 79	2,062 50
August 31.	20,489	23,024	10,074 00	9,465 05	396 00	72 60	130	55	125	43,513	20,007 65	....	.....
Sept. 30.	21,335	23,950	10,020 00	9,713 35	380 66	114 60	130	56	125	45,285	20,228 61	.....	.....
October 30.	20,623	24,024	10,254 00	9,759 56	546 99	81 87	130	56	127	44,647	20,642 42	450 00	.....
November 30.	19,664	23,330	10,056 00	9,615 52	392 66	115 00	130	56	129	42,994	20,179 18	... .	.....
December 31.	22,366	27,549	10,491 00	9,948 06	394 66	135 05	130	56	130	49,915	20,968 77	776 40	....
	251,905	302,281	$120,039 00	$113,117 01	$4,912 73	$1,531 04				554,186	$239,599 78	$2,299 68	$8,250 00

TABLE C.

Special Appropriation, as per Resolution approved February 3, 1886.

DISTRICTS.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Street Dirt, Sand, &c.	Number of Street Carts Employed.	No. of Scrapers and Sweepers Employed.	Total amount of Loads Removed.	Total Amount of Expenditures.
FIRST DISTRICT—B. V. KELLY.						
Week ending February 13	2160	$497 66	17	39	2160	$497 66
" " 20	2235	542 66	20	44	2235	542 66
	4395	$1040 32	37	83	4395	$1040 32
SECOND DISTRICT—GEO. E McCAULEY.						
Week ending February 13	2184	$608 52	17	40	2184	$608 52
" " 20	1320	471 17	22	59	1320	471 17
" " 23	280	102 03	7	18	280	102 03
	3784	$1181 72	46	117	3784	$1181 72

THIRD DISTRICT—MICHAEL FADGEN.							
Week ending February 13	1782	$581 50	17	31	1782	$581 50	
" " 20	1521	481 00	17	27	1521	481 00	
" " 23	957	294 17	21	40	957	294 17	
	4260	$1356 67	55	98	4260	$1356 67	
FOURTH DISTRICT—JAMES F. BUSEY.							
Week ending February 13	2505	$434 61	16	31	2505	$434 61	
" " 20	2000	480 63	15	37	2000	480 63	
" " 23	685	133 04	10	22	685	133 04	
	5190	$1048 28	41	90	5190	$1048 28	
FIFTH DISTRICT—HENRY LANCASTER.							
Week ending February 13	910	$568 00	19	42	910	$568 00	
" " 20	1118	444 66	15	44	1118	444 66	
" " 23	246	138 17	11	25	246	138 17	
	2274	$1150 83	45	111	2274	$1150 83	

TABLE C—Continued.

DISTRICTS.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Number of Street Carts Employed.	No. of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
SIXTH DISTRICT—CHAS. G. WATERS.						
Week ending February 13.....	2555	$534 26	17	39	2555	$534 26
" " 20.....	1985	376 99	17	39	1985	376 99
" " 23	726	132 60	11	20	726	132 60
	5266	$1043 85	45	98	5266	$1043 85

TABLE C—Concluded.

Expenditures for tools, &c.	$ 198 50
Total expenditures for work	6,821 67
	$7,020 17
Amount of special appropriation	$10,000 00
Amount expended	7,020 17
Balance	$2,979 83

TABLE D.

RECAPITULATION.

Total number of loads of garbage and ashes collected and removed, from January 1st to December 31st, 1886, inclusive	251,905
Total number of loads of street dirt, sand, snow, ice, &c., collected and removed, from January 1st to December 31st, 1886, inclusive	302,281
Total number of loads of all kinds removed during the twelve months ending December 31st, 1886	554,186

TABLE D—Concluded.

Total amount paid for collecting and removing garbage and ashes, from January 1st to December 31st, 1886, inclusive	$120,039	00
Total amount paid for collecting and removing street dirt, sand, &c., from January 1st to December 31st, 1886, inclusive	113,117	01
	$233,156	01
Amount of money received for refuse, from January 1st to December 31st, 1886, and paid to Comptroller	$2,299	68

TABLE E.

Showing the amount of Animal and Vegetable Garbage delivered to Contractors at Canton.

1886. MONTHS.	CANTON DUMP.	No. of Loads.
January	J. Holdefer, Sup't.	648
February	" "	520
March	" "	524
April	" "	527
May	" "	1275
June	" "	1184
July	" "	1695
August	" "	1983
September	" "	1950
October	" "	1700
November	" "	576
December	" "	538
		13120

TABLE E—Concluded.

Showing the amount of Animal and Vegetable Garbage delivered to Contractors at Winans' Cove Dump.

1886. MONTHS.	WINANS' COVE DUMP.	No. of Loads.	TOTAL.
January	L. S. Fefel, Sup't	1109	1757
February	" "	700	1220
March	" "	996	1520
April	" "	1056	1583
May	" "	2581	3856
June	" "	2137	3321
July	" "	2571	4266
August	" "	2732	4715
September	" "	2382	4332
October	" "	2614	4314
November	" "	1044	1620
December	" "	807	1345
		20729	33849

TABLE F.

Showing Disbursements for the year ending December 31, 1886.

Total amount expended for collecting and removing garbage, ashes, street dirt, &c., from January 1 to December 31, 1886	$233,156 01
Amount expended for dumps from January 1 to December 31, 1886	4,912 73
Amount expended for salaries from January 1 to December 31, 1886	8,999 64
Amount expended for tools and incidentals from January 1 to December 31, 1886	1,531 04
Paid M. W. Adams for removal of garbage.	8,250 00
	$256,849 42

TABLE F—Concluded.

Amount of appropriation for the Department of Street Cleaning for the year 1886	$257,138 00
Amount of appropriation expended	256,849 42
Unexpended balance	$288 58

ANNUAL REPORT

OF THE

City Commissioner,

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31st, 1886.

REPORT.

CITY COMMISSIONER'S OFFICE CITY HALL,

BALTIMORE, January 1, 1887.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

In compliance with the requirements of article 47, section 70, of the City Code, I have the honor of laying before you the annual report of work done in this Department for the fiscal year ending December 31st, 1886, with such remarks thereon as have suggested themselves.

On the 27th day of March the repairing of the city's streets was commenced, and continued in full force up to the 9th day of November. At this time, the appropriation being nearly exhausted, the work was in the main discontinued, the small amount of money remaining being used through the remainder of the year in repairing such parts of streets as from necessity required repairing.

On this work, as has been customary, were employed twelve repair gangs, each having an experienced superintendent in charge. The distribution of this force was as follows: six gangs in the eastern and six gangs in the western section of the city, Calvert street being established as the dividing line.

The repairs of streets west of Calvert street were under the general direction of Mr. C. P. Kahler, Assistant City Commissioner, assisted by Mr. M. Naughton; said assistance becoming necessary in consequence of other and important duties having been assigned Mr. Kahler, which will appear further on in this report. The repairs of streets in the eastern section of the city were under the general supervision of Mr. Christopher Billopp, Assistant City Commissioner. All repaving with improved pavements, namely, Belgian and asphalt blocks, was placed in charge of Mr. N. M. Gray, Assistant City Commissioner, in connection with other equally important duties, all of which will appear in another part of this report. The above-mentioned gentlemen have at all times displayed commendable energy and zeal in the discharge of the various duties assigned them.

Quite a large amount of repairs have been made, and in all cases where it was apparent it was most urgent; and it has been the aim of the Department to do the work in the most substantial manner. It is scarcely necessary to state that there is a large amount of this class of work yet needed throughout various sections of the city, as the fact is patent to the most casual observer. I deem it not out of place at this

juncture to speak of several of the principal causes for the apparent bad condition of our streets. In the first place much of the cobble-stone pavement, particularly that in the newer sections of the city, was originally very indifferently put down, and in a great part has received but little attention since, in the matter of repairs.

To add to this, various corporate bodies have from time to time been granted the privilege of tearing up the streets for hundreds of miles, and still continue to do so. In this wholesale mutilation of the city's highways, notably may be mentioned the various gas companies which have located in our midst at various times. When we add to this that numerous privileges are annually granted to individuals to lay drain-pipes wherever they may deem such necessary, it is scarcely to be wondered at that the streets are in no better condition than they appear at the present time. While it is true that the city authorities have from time to time enacted laws to protect the city's interests in this matter, and those having in charge the execution of these laws, be they ever so vigilant and exacting in their endeavors to compel these corporations and individuals to repave and place the streets in as good condition as they were before these thousands of excavations were made, must to a great extent prove a failure. At least past experience has proven this to be the case; for granting the best to be done, under the circumstances, which can be done, the fact still remains that the parallel trenches for the mains of these various companies which are to be found in most of our streets, and the thousands of lateral or service pipes running

from same to dwellings, very many of the latter containing not less than three of such, placed in them by rival companies, must necessarily so break the bond of the original pavement as to preclude the possibility of getting it into its original condition for years, and in many instances not until the streets are wholly repaved. Much of the paving done by these mutilators of the streets has to be done almost immediately after their pipe is laid, in order to accommodate traffic and to prevent accident to travel. Assuming this paving over their trenches under such circumstances to be ever so well done, the want of compactness of its foundation, compared with the surrounding earth, must necessarily cause in a very short time a depression in that part of the street. Again and again are they called upon to make it conform to the original bed of the street, which they as often attempt to do. In the mean time, traffic of all kinds is immeasurably inconvenienced by the uneven surface of the highways, and as is often the case, the original bed of the street becomes worn out by this cause, so that a general repair of its whole length and breadth becomes necessary; thus in the end forcing the city to pay for work which would not have been necessary for years, but for these, to the city, costly privileges, granted from time to time to these corporations.

In view of these facts it would seem reasonable that at least a monied consideration, commensurate with the damage sustained by the city in the defacement of its streets, should be had.

Another matter which affects the condition of the streets seriously, is the putting down of drain-pipes.

Where the drain only runs for a short distance, the permit is always paid for; but where it is of considerable length, so that the charge of 20 cents per foot becomes an object, a resolution is usually passed granting the privilege free of cost. As is the case in the matter of gas and water pipes, the trenches dug for drain-pipes will continue to sink for years, and in the end entail considerable expense upon the city in keeping the streets in proper condition. In many cases the owners of lengthy drains, for which they have paid nothing for the permit, make a considerable profit by selling the right to connect with them. I think the charge for the privilege ought to be considerably increased, so as to relieve the taxpayers of the expense of keeping the streets in repair caused by laying of drains, and that no resolution relieving persons from the cost of the permit, ought to be passed.

REPAIR OF STREETS.

The amount appropriated for this work was $75,000; of this sum there was expended $74,986.54. The quantity of work done and materials used by the several repair gangs will be found by reference to table D, and is as follows: whole number of square feet of repairing with cobble-stones, 2,222,026; linear feet kerb reset, 11,141; loads of sand, 31,958; perches of stone used, 4,883¾; Belgian block repairs, 21,014.75 square feet; asphalt block repairs, 17,420 square feet; thus making the total amount of repairs on streets for the year 2,260,460.75 square feet.

Materials used with the amount of money expended:

Pay-rolls of superintendents	$64,285 05
Repairing Belgian block pavements by contract	840 59
Repairing asphalt block pavement by contract with the Maryland Pavement Co.	1,850 00
Materials and tools of all kinds	8,010 90
	$74,986 54

RECAPITULATION.

Quantity of work done 2,260,460.75 square feet.

Amount appropriated, $75,000.

Amount expended, $74,986.54.

Amount expended for labor, including cost of repairs of Belgian and asphalt block pavements	$67,475 64
Cost of materials and tools of all kinds	8,010 90
	$74,986 54

Average cost per square foot, $.03\frac{037}{1000}$ cents.

The cost of this character of work in the aggregate, during the present year, by the above showing, would appear to be in excess of work of this kind for last year. This apparent difference is explained as follows: first, it became necessary the present year to repair a larger area of Belgian and asphalt block pavement than was required to be repaired last year—the difference in cost this year amounting to $1,444.97; secondly, on the fifteenth day of June, 1886, an advance of wages was granted to the pavers and rammers, the former twenty-five and the latter eight cents per day, amounting in the aggregate for the year to $2,480.75. When

the foregoing facts are taken into consideration, it will be seen that the difference either way in the cost of the work is inappreciable; at all events, I feel confident the best has been done during the year which could be done with the means provided.

REPAIRS OF UNPAVED STREETS.

On this account there was appropriated the sum of $1,500.00, of which was expended $1,494.79, leaving a balance of $5 21. Large quantities of shells, gravel, &c., were obtained with this money, which was used to make several unpaved streets available for travel.

Appropriated	$1,500 00
Expended	1,494 79
Balance	$5 21

Resolution No. 43, of 26th March, 1886, directed that Eastern avenue, from Patterson Park to the eastern city limits, should be shelled, and appropriated $900.00 for this purpose. This has been done at a cost of $877.73, leaving a balance of $22.27.

Appropriated	$900 00
Expended	877 73
Balance	$22 27

The beds of East Baltimore street, East Fayette-street and East Monument street, were shelled in pursuance of Resolution No. 55, of April, 1886, which appropriated the sum of $900.00. This whole amount has been expended.

Appropriated	$900 00
Expended	900 00

Franklin street, from the point where the paving ends to the western city limits, has been shelled per Resolution No. 23, of 8th of March, 1886; appropriation, $150.00; expended, $126.30; balance, $23.70.

Appropriation	$150 00
Expended	126 30
Balance	$23 70

The Ferry Point road, from Dorsey street to Lightstreet bridge, has also been shelled in pursuance of Resolution No. 75, of 10th of April, 1886; apropriated, $200.00; expended, $199.07; balance, 93 cents.

Appropriated	$200 00
Expended	199 07
Balance	93

By Resolution No. 79, of 12th of April, 1886, which appropriated $1,000.00 for the purpose, the Washington road, from Bush street to the city limits, and Bayard street, from the Washington road to Russell street, were shelled and graveled and the whole appropriation was expended.

Appropriated	$1,000 00
Expended	1,000 00

The beds of Warner street, between the Baltimore and Ohio Railroad tracks and Bayard street, and of Dock street, from Warner street to the wharf front,

were also shelled as per resolution No. 103, of 10th of April, 1886, which appropriated the sum of $300.00, of which was expended $270.66; balance, $29.34.

Appropriated	$300 00
Expended	270 66
Balance	$29 34

Several unpaved streets and roads in the outlying parts of the city will require shelling and other repairs during the coming year, and at least as much money will be required as was appropriated during the present year for that purpose.

PAVING OF NEW STREETS.

Table C gives the names of new streets, lanes and alleys paved with cobble-stones during the year; contractors' names, dates of contract, the amount of work done and prices paid for it, with dates of completion. The total amount of new cobble paving done during the year was 379,894 square feet.

The contracts of Morgan and Bresnan, dated 28th August, 1884, to grade, kerb and pave Lanvale street, from Fulton avenue to the western city limits, and of James P. McGovern, dated 18th November, 1885, to grade, kerb and pave Edmondson avenue, from Monroe street to the western city limits, have not yet been completed, for the reason that the appropriation to construct sections of sewers across those streets over the Northeast branch of Gwynn's run, was not made until this year. The sewers are now in course of construction and will be completed early next season, when

the embankments in the streets can be proceeded with. (See report of sewers.)

A contract was made on 12th day of May, 1886, with Patrick Reddington, to grade, kerb and pave Biddle street, between Greenmount avenue and North street. This work was nearly completed when the snow-storm in the early part of December stopped operations. The opening of this street will make a very desirable thoroughfare between the eastern and western sections of the city. On the 18th of October, 1886, M. J. Flannery was awarded the contract to grade, kerb and pave North avenue, from Pennsylvania avenue to the western city limits. The completion of this work will depend upon the building of a section of sewer over the Northeast branch of Gwynn's run, for which an appropriation of $5,000.00, to be taken out of the levy of 1887, has been made. The surveys and engineering work are in progress at the present time, and all will be in readiness to proceed with the work as soon as the weather will permit. This is to the city an important part of that great thoroughfare, and the only unfinished link of the same. As the county has finished the avenue to the city limits—in a first-class manner—no delay should be had in finishing it within the city limits.

The contract to grade, kerb and pave the unpaved portion of North avenue, between Charles street and Greenmount avenue, was awarded on 15th of November, 1886, to William R. Weaver & Co. The work will be done early in the coming spring.

On 8th November, 1886, William R. Weaver & Co. contracted to grade, kerb and pave McHenry street, between Payson and Bentalou streets. The grading is now being done, and the work will be completed next season.

The contract to grade, kerb and pave Bethel street, from Fairmount avenue to Fayette street, was awarded to Patrick Reddington 21st December, 1886. This work will also be completed in 1887.

IMPROVED PAVEMENTS.

The following ordinances, providing for laying Belgian block and asphalt pavements, were executed during the year:

Ordinance No. 63, approved May 9, 1885, to repave, with Belgian blocks, Liberty street, from the south side of Saratoga street to the north side of Lexington street. Work commenced on May 3d, and completed on May 24, 1886.

Ordinance No. 55, approved May 7, 1886, being a supplement to Ordinance No. 62, of 1885, to repave, with Belgian blocks, Saratoga street, from the west side of Charles street to the west side of Cathedral street. Work commenced May 20, and completed June 10, 1886.

Ordinance No. 29, approved April 8, 1886, to repave the Fish Market space, between Marsh Market space and the walls of Jones' falls, with asphalt blocks. Work commenced on May 28, and completed on June 21, 1886.

Ordinance No. 56, approved May 8, 1886, to repave, with asphalt blocks, the streets around the Northeastern market, viz: Chester street, from the south side of Monument street to the south side of McElderry street; McElderry street, from the east side of Chester street to the east side of Duncan place; and Duncan place, from the north side of McElderry street to the south side of Monument street. Work commenced on June 21, and completed on July 22, 1886.

Contracts were made with the following named parties for the materials used in repaving Liberty and Saratoga streets:

Wm. F. Weller, of Maryland, for Belgian blocks, six-inch granite kerbing, and granite gutter-stones, used on Liberty street, and gutter stones used on Saratoga street.

McClenahan & Bro., of Maryland, for Belgian blocks used on Saratoga street.

The repaving, with asphalt blocks, of the Fish Market space and the streets around the Northeastern market, was done by the Maryland Pavement Company, under contract with the Mayor and City Council.

Statements showing streets repaved with Belgian blocks during the year 1886, with character and quantity of materials and cost to the city and property-holders respectively:

Liberty street, from the south side of Saratoga street to the north side of Lexington street,

Number of blocks	50,918
" " square yards of paving	2,076
" " feet of new gutter-stones	955
" " feet of new kerbstones	297½
" " square feet of new flagstones	496

Total disbursements	$5,226 16
Less collections for old materials	27 56
	$5,198 60

Charges:

City's third	$1,455 96
Property-holders	2,891 60
Amount of paving warrant	$4,347 56
Cross streets	851 04
Total cost	$5,198 60
Proportion paid by the city	$2,307 00
Proportion paid by property-holders	2,891 60
	$5,198 60
Cost of paving per square yard	2.26^{4597}_{10000}$
Cost to property-holders per front foot	3.19$^{9797}_{10000}$

Saratoga street, from the west side of Charles street to the west side of Cathedral street.

Number of blocks	43,067
" " square yards of paving	1,618
" " feet of new gutter-stones	833
Total disbursements	$3,824 07
Less collection for old materials	98 22
	$3,725 85

Charges:

City's third	$ 929 96
Property-holders	1,859 93
Amount of paving warrant	$2,789 89
Cross streets	935 96
Total cost	$3,725 85
Proportion paid by the city	$1,865 92
Proportion paid by property-holders	1,859 93
	$3,725 85
Cost of paving per square yard	$2.26 $\frac{085}{1000}$
Cost to property-holders per front foot	2.43 $\frac{2505}{10000}$

Below are statements of the asphalt repaving done in accordance with the ordinances specified above:

Fish Market Space.

Asphalt paving, 1617 square yards, at $2.50	$4,042 05
New kerb, gutter-stones, resetting old kerb, &c	793 68
Total	$4,836 18

Paid in whole by the city.

Streets around the Northeastern Market.

Asphalt paving, 3653 square yards, at $2.50	$9,132 50
New kerb, gutter-stones, resetting old kerb, &c	948 16
Total	$10,080 66

Paid in whole by the city,

The asphalt block pavement on Charles street, between Madison and Read streets, being in bad condition, and it being believed that the character of material used when originally put down was of an inferior quality, the Maryland Paving Company was called upon to put it in good condition, at their expense. To this the company demurred, stating that while they became the successors to the company who laid this pavement, they would not hold themselves responsible for work improperly done by their predecessors; yet, if the city would bear a fair proportion of the expense they would do the work required. An arrangement was entered into between the city and the Maryland Paving Company to renew the entire block above mentioned, which contains 12,800 square feet, the city agreeing to pay as its portion of the expense the sum of $1000. This was done, and the amount paid out of the appropriation for repairs of streets.

Again. The asphalt pavement on Charles street, between Read and Eager streets, on the east side of Charles street, being in bad condition, a similar agreement to the above was entered into by the city with the Maryland Paving Company, by which they were to receive $850 for the renewal of 4620 square feet. This agreement was carried out, and the amount herein stated paid from appropriation for the repairs of streets.

The asphalt block pavement on Mt. Vernon and Washington places, which was laid during the year 1884, began to show unmistakable signs of wear, principally caused by disintegration of the blocks from the action of the weather, as the travel in this locality was

comparatively light. As the Maryland Paving Company, by whom this work was done, was required by its contract with the city to keep the pavement in good repair for two years after completion, on the 29th of May, 1886, I notified the company to repair the same. Mt. Vernon place has been thoroughly relaid, and Washington place was in course of being relaid, and would have been completed except for the inclemency of the weather during the present month. It will be completed as soon as the weather permits. This, as well as all other work being done throughout the city by this company, it is claimed, is better than any heretofore done, in consequence of the superior quality of the blocks now being manufactured by them.

The asphalt block on Calvert street, at the intersection of Calvert and Baltimore streets, and running south between the latter street and German street, is in very bad condition, and will have to be removed next season. As the greater portion of this square is laid with Belgian block pavement, I recommend that the asphalt pavement be discarded entirely at this point, and that the whole square be paved with Belgian block, as the traffic on this street is very heavy, and requires the most substantial and durable pavement.

GRADES ESTABLISHED.

1886.

March 18—Townsend street, from Maryland avenue to Charles street.

March 25—Lorman street, from Fulton avenue to Monroe street.

March 25—Monroe street, from Patterson avenue to Windsor Mill road.

April 6—Constitution street, from Chase street to Biddle street.

April 9—Presstman street, from Fulton avenue to Monroe street.

April 23—McElderry street, from Cannon street to Potomac street.

May 6—Belt street, from Cross street to Jackson street.

May 27—Falls road, from Maryland avenue to North avenue.

May 28—Luzerne street, from Monument street to McElderry street.

July 6—Gold street, from Pennsylvania avenue to Calhoun street.

July 7—Orleans street, from Cannon street to Luzerne street.

July 8—Barlow street, from Cross street to Stockholm street.

July 9—Eden street, from Oliver street to Federal street.

July 23—Beason street, from Hull street to Towson street.

August 13—Federal street, from Eden street to Caroline street.

August 13—Spring street, from Federal street to Lanvale street.

August 13—Lanvale street, from Harford avenue to Caroline street.

September 16—North avenue, from Pennsylvania avenue, to western city limits.

September 27—McHenry street, from Payson street to Bentalou street.

November 29—Bethel street, from Fayette street to Fairmount avenue.

GUTTER-PLATES.

Gutter-plates were put down during the year, in accordance with resolutions of the Mayor and City Council, as follows:

Resolution No 67, approved April 3, 1886, for gutter-plates at the following named points:

East and west gutters at Aliceanna and Ann streets, west gutter at Bond and Thames streets, east and west gutters at Aliceanna and Washington streets, and north gutter at Eastern avenue and Concord street.

Amount appropriated	$3,650 00
Amount expended	3,648 57
Balance	$ 1 43

Resolution No. 78, approved April 12, 1886, providing for the removal of the wooden covering over the north and south gutters at Charles and Read streets, and for replacing the same with granite flags; and also for the the reconstruction of said gutters with brick and cement.

Amount appropriated	$ 950 00
Amount expended	948 43
Balance	$ 1 57

In addition to the above the following named gutters were covered with iron plates, and the cost of the same was charged to the general appropriation for gutter-plates:

North gutter at Chesapeake and Elliott streets, north and south gutters at Gilmor and Franklin streets, and north and south gutters at Gilmor and Lanvale streets.

Amount appropriated	$3,500 00
Amount expended	3,489 89
Balance	$ 10 11

The extension of the Union Passenger Railway along Boundary avenue, from John street to Park avenue, made it necessary to plate the gutter across John street, on the south side of the avenue, which was done by the railway company at their expense.

This work was superintended by Mr. N. M. Gray, Assistant City Commissioner.

FLAGSTONES LAID IN 1886.

Charged to "Flag and Stepping-Stones."

Intersections.	No. of Rows.
Calvert and Pratt streets	1
Garden and Biddle streets	2
Lombard and Castle streets	1
Bond and Lombard streets	1
Barre and Fremont streets	1
Washington avenue and Stockholm street	1
Brune street and Harlem avenue	1
Lafayette avenue and Carey street	1
Pratt and Parkins streets	2

Intersections.	No. of Rows.
McDonogh and Chase streets	1
McDonogh and Barnes streets	1
Wolfe and Eager streets	1
Chew and Dallas streets	1
Aisquith and Madison streets	2
Caroline and Madison streets	1
Ensor and Gay streets	1
Light street, at Pier No. 4	1
South, near German street	1
Preston and North streets	2
Townsend and Barclay streets	1
Sharp and Conway streets	2
Dover street and Columbia avenue	2
McCulloh and Presstman streets	1
Presstman street and Druid Hill avenue	1
Eutaw, near Dolphin street	1
Eutaw and Dolphin streets	1
Chesapeake and O'Donnell streets	2
Hare and Dillon streets	1
Light street, at Pier No. 16	1
" " 2	1
" " 18	1
Hill and Light streets	1
Bolton and Robert streets	1
Division and Robert streets	1
Broadway and Madison street	2
Division and Bloom streets	1
McMechen and Etting streets	1
Madison and McDonogh streets	1
Light street, between Cross and West streets	1
Vincent alley and Lafayette avenue	1

Intersections.	No. of Rows.
Hanover and Randall streets	1
Lanvale and Barclay streets	4
Broadway, between Gay and Preston streets	1
Lombard and Chester streets	2
Gough and Castle streets	2
Aliceanna and Register streets	1
Pratt and Castle streets	1
Bethel and Lombard streets	1
Dallas and Lombard streets	2
Wolfe street and Eastern avenue	1
Thames and Bond streets	1
Fremont and Pitcher streets	2
Potomac and Dillon streets	1
Ramsay and Ringgold streets	1
Wilkins avenue and Monroe street	1
Druid Hill avenue and Biddle street	2
Gilmor and Tennant streets	2
Wilhelm and Monroe streets	1
Baltimore, near Payson street	1
Gilmor and Mulberry streets	1
Gilmor street and Harlem avenue	1
Gilmor street and Lafayette avenue	2
Gilmor and Mosher streets	1
Greene and Mulberry streets	4
Fremont and Lexington streets	1
Carrollton avenue and Lexington street	2
Montgomery and Sharp streets	1
Canton avenue and Wolfe street	3
Chester street and Moyer alley	1
Orleans and Chappell streets	1
Chase and Wolfe streets	1

Intersections.	No. of Rows.
Chase and Washington streets	1
Monument street and Duncan place	1
Pratt street and Duncan alley	1
Lombard street and Duncan alley	1
Lombard and High streets	2
Stirling and Monument streets	1
Ensor and Monument streets	1
Conway and Howard streets	1
Paca and Fayette streets	4
Edmondson avenue and Stricker street	3
Schroeder and Lemon streets	1
Paca and Lombard streets	1
Fremont and Lombard streets	1
Baltimore and Castle streets	1
Baltimore and Chappell streets	1
Caroline street and Canton avenue	1
Bond and Shakespeare streets	1
Lancaster and Bond streets	1
High and Plowman streets	1
Monument and Chester streets	1
Caroline and McElderry streets	1
Camden and Sharp streets	3
Park avenue and Richmond street	1
West street and Battery avenue	1
Randall street and Battery avenue	1
Hoffman and Washington streets	1
Fayette and Castle street	1
Hudson and Chesapeake streets	1
Burke and Aliceanna streets	1
Davis and Pleasant streets	1
Poppleton, between Baltimore and Hollins streets	1

Intersections.	No. of Rows.
Central avenue and Madison street	1
Cross and Nanticoke streets	1
Barre and Paca streets	1
Washington avenue and Cross street	1
Etting and Presstman streets	1
Bouldin and Presstman streets	1
Townsend street and Maryland avenue	1
Townsend street and Morton alley	2
Etting and Robert streets	1
Bouldin and Robert streets	1
Mosher street and Rutter alley	2
McMechen street and Rutter alley	1
Calhoun and Baker streets	1
Total number of rows	149

Amount appropriated	$10,000 00
Amount expended	9,995 78
Balance	$ 4 22

Average cost per row ..... $67.08 $\frac{5772}{10000}$

The contract for furnishing flagstones aad Belgian blocks for street crossings during the year 1886 was awarded to the lowest bidder, Mr. John Harris, at the following prices, viz:

Flagstones ..... $ 29 per square foot.
Belgian blocks ..... 1 25 per square yard.

This work was done under the direction of Mr. N. M. Gray, Assistant City Commissioner.

CHANGING KERB AT NORTH END OF EUTAW PLACE.

By Resolution No. 76, approved April 10, 1886, the City Commissioner is directed to have the shape of the northwestern end of Eutaw Place so altered as to conform to a drawing attached to the said resolution, and the sum of three hundred dollars was appropriated to defray the expense of the same. The execution of this resolution involved the removal of the old line of circular kerb, which was irregular in shape, and replacing the same with a new line of kerb, forming a true semi-circle of forty feet radius, joining the straight kerbs, which bind on each side of the parked portion of the street, opposite the centre of Bloom street. The new semi-circular kerb was provided and set in place, and necessary paving repairs made. It was found, after paying for the above items, that the balance of the appropriation would fall far short of the amount required for grading and paving the space included between the old and new lines of kerb and the removal of the old kerb, and consequently the old kerb has been allowed to remain in place.

A statement of the completed work is as follows:

Amount appropriated	$300 00
Amount expended	196 50
Balance	$103 50

For the removal of the old kerb and the grading and paving of the space thus left open as part of the bed of Eutaw street, an appropriation of $600 will be required, and I would respectfully recommend that that sum be provided in the levy for the year 1887.

THE BOLTON DEPOT PROPERTY.

The Bolton depot property, belonging to the Northern Central Railway Company, which was exchanged for property on the east side of Cathedral street, in pursuance of an agreement entered into between the Mayor and City Council and that company, under authority of an Act of the General Assembly of Maryland, was formally delivered to the city on 29th September, 1886. In order to accommodate the public, a temporary road has been constructed from Dolphin street to Preston street, and another from Dolphin street to Oliver street, through the same. These roads will be tolerably convenient until the streets through the property have been graded and paved, as is contemplated to be done. These improvements were made under authority of Ordinance No. 428, of 1st November, 1886, under which an appropriation of $300 was made, to be taken out of any unexpended balance.

This work was done at a cost of $294.64, and taken from unexpended balance for Chatsworth sewer.

Appropriated	$300 00
Expended	294 64
Balance	$5 36

REPAIRS OF SEWERS.

During the past year numerous repairs have been made to sewers in various sections of the city, the locations of which are shown in table.

The old sewers, more especially where they pass under private property, require the most careful atten-

tion, in order to prevent accidents, as they are generally poorly constructed, and of a capacity inadequate to perform the work required of them during heavy rains.

The city cannot too soon remove and rebuild them in the beds of the streets, thereby doing away with the heavy expense it is annually subjected to, by having to keep them in repair.

REPAIRS OF SEWERS AND INLETS.

McMechen street, Madison to Eutaw Place.

Monument street, Greenmount avenue to Forrest street.

Harford run, Gay, near Wolfe street.

Harford run, Bond and Abbott streets.

Harford run, Barnes street and Broadway.

Chatsworth run, Lexington to Josephine street.

Chatsworth run, Josephine to Saratoga street.

Chatsworth run, Vine street.

Franklin street, west of Pulaski street.

Inlet, Bloom and Division streets.

Charles and Centre streets.

Schroeder's run, between Baltimore and Fayette streets.

Inlet, Hanover and Cross streets.

Inlet, North avenue and Mount Royal avenue.

Caroline and Aliceanna streets.

Inlets, Light and Lee streets.

Man-hole, Race and Cross streets.

Inlet, Central avenue and Holland street.

Hudson street and Harris' creek.

Boston and Gwynn streets.
Chatsworth run, Arch to Pearl street.
Inlets, Central avenue and Gough street.
Inlet, Gay and East streets.
Boston street and Harris' creek.
Inlets, Pratt and Mill streets.
Inlets, Central avenue and Orleans street.
Carey street.
Inlet, Light and Balderson streets.
Chatsworth run, Pine street and Myrtle avenue to Franklin street.
Liberty road, Fulton avenue.
Fulton avenue and Baker street.
Inlet, Low and Chesnut streets.
Inlet, Hillen and Front streets.
Chatsworth run, Raborg, near Arch street.
Chatsworth run, Vine and Arch streets.
Chatsworth run, Franklin to George street.
Inlet, North avenue and Oak street.
Inlet, Central avenue and May street.
Inlet, Franklin and Carey streets.
Schroeder's run, Baltimore street.
Caroline and Madison streets.
Inlet, Pratt and Light streets.
Inlet, Shield's alley and Hoffman street.
Chatsworth run, George to Greenwillow street.
Chatsworth run, Ridgely near Ostend street.
Inlet, Central avenue and Orleans street.
Chatsworth run, Fayette, near Pine street.
Inlet, Fremont and McHenry streets.
Inlet, Central avenue and May street.
Chatsworth run, Arch and Raborg streets.

Inlets, Columbia avenue and Fremont street.
Inlets, Harrison and Gay streets.
Inlets, in front of No. 1 St. Peter's street.
Chatsworth run, Myrtle avenue to Shields' alley.
Chatsworth run, Greenwillow to Hoffman street.
Schroeder's run, Baltimore to Fayette street.
Schroeder's run, Lexington to Saratoga street.
Albemarle street and Hammond alley.
Richmond market.
Man-hole, Mosher street, near Mount Royal avenue.
Inlet, Central avenue and Gough street.
Chatsworth run, in rear of No. 122 S. Fremont street.
Inlets, Central avenue and Fayette street.
Pearl street, between Saratoga and Mulberry streets.
Chatsworth run, Shields' alley and Hoffman street.
Inlet, Monument, near Eden street.
Inlet, Central avenue and May street.
Chester and Chew streets.
Inlet, Abbott and Bond streets.
Inlet, Central avenue and Stiles street.
Inlet, Central avenue and Pratt street.
Inlet, Central avenue and Lombard street.
Boston street.
Schroeder's run, between Lexington and Saratoga street.
Inlet, High and Low streets.
Inlet, Central avenue and Orleans street.
Schroeder's run, Saratoga and Carrollton avenue.
Inlet, Pennsylvania avenue and Oxford street.
Man-hole, Central avenue and Hammond alley.
Inlet, Central avenue and Baltimore street.
Light and Randall streets.

Inlet, Central avenue and Bank street.
Inlet, Pennsylvania avenue and Townsend street.
Schroeder's run, Fayette to Raborg street.
Inlet, Pin alley and Arch street.
McKim, near Neighbor street.
Inlet, Central avenue and Orleans street.
Inlet, Central avenue and Allen alley.
Harris' creek culvert.
Inlets, Iceland and Fremont streets.
Schroeder's run, Raborg to Baltimore street.
Harford run, at Chew street.
Inlet, Eastern avenue, between Central avenue and Eden street.
Inlet, Light and Conway streets.
Inlet, Dallas, near Chew street.
Schroeder's run, Baltimore to Hollins street.
Inlet, Madison and Caroline streets.
Albemarle street and Hammond alley.
Inlet, Central avenue and Orleans street.
Inlet, Franklin, near Carey street.
Schroeder's run, Hollins to Lombard street.
Liberty-street sewer, at Lombard street.
Inlets, St. Paul and Centre streets.
Chester, near Chew street.
Schroeder's run, Lombard to Pratt street.
Inlets, Maryland avenue and Oliver street.
Inlets, Central avenue and May street.
Race and Cross streets.
Schroeder's run, near Pratt street.
Bank street, between Eden street and Central avenue.
Schroeder's run, Pratt and Oregon streets.
Inlet in front of No. 40 Cross street.
Inlet, Gay-street bridge.

Schroeder's run, south of Pratt street.
Bond and Lanvale streets.
Fayette and Canton streets.
Harford avenue and Lanvale street.
Fayette and Luzerne streets.
Eagle street and Addison alley.
Fayette and Canton streets.
Eastern avenue and Luzerne street.
Harford avenue and Lanvale street.
Mine Bank lane and Hoffman street.
Eastern avenue and Canton street.
Warner, near Ostend street.
Bond, near Oliver street.
Caroline, near Oliver street.
Broadway, near Townsend street.
Across Oliver street, in Broadway to Hoffman street.
Across Broadway, along Hoffman street.
Oliver street and Patterson Park avenue.
Belair avenue, at Muth's Park.
Mine Bank lane, near boundary avenue.
Loney's lane, between Monument street and Philadelphia road.
Foot of Marshall street.
Eden and Federal streets.

This work was done under the supervision of Mr. C. P. Kahler, Assistant City Commissioner.

REPAIRS OF BRIDGES.

The usual annual repairs have been made to the bridges in the city, of which the following is a detailed statement:

LOCATION OF BRIDGES AND CHARACTER OF REPAIRS.

Liberty-road bridge, Silver run, stone abutment on the south side rebuilt.

Franklin street extended, Silver run, stone abutments raised 12 inches, new floor and new guard rails put down.

Argyle-avenue bridge, (over B. & P. R. R.,) both bottom and top floors laid new.

Preston-street bridge, Jones' falls, ordinary repairs upon floor.

North-avenue bridge, Jones' falls, ordinary repairs upon floor.

Baltimore-street bridge, Jones' falls, ordinary repairs upon floor.

Hillen-street bridge, Jones' falls, new centre and ordinary repairs to sidewalks and floor.

North-street bridge, Jones' falls, new floor put down and sidewalks repaired.

Lombard-street bridge, Jones' falls, ordinary repairs upon floor.

Maryland-avenue bridge, Jones' falls, both bottom and top floors laid new.

City dock drawbridge, Jones' falls, ordinary repairs upon floor.

Canton-avenue bridge, Harford run, new floor.

Chase-street bridge, Jones' falls, ordinary repairs upon floor.

Fayette-street bridge, Jones' falls, new sidewalks.

Bath-street bridge, Jones' falls, ordinary repairs upon floor.

Lancaster-street bridge, across Harford run, raised 12 inches and new floor put down.

Canton-avenue bridge, Jones' falls, ordinary repairs upon floor, and later in season new floor laid.

Leadenhall-street bridge, across Race-street sewer, new floor.

Madison-street bridge, Jones' falls, new floor put down and new side logs.

Charles-street bridge, Jones' falls, ordinary repairs upon floor.

Aliceanna-street bridge, over Harford run, ordinary repairs upon floor.

Monument-street bridge, Jones' falls, new guard logs and ordinary repairs upon floor.

Washington-road bridge, over Gwynn's falls, ordinary repairs upon floor.

Ridgely-street bridge, across Chatsworth run sewer, ordinary repairs upon floor.

Warner-street bridge, across Chatsworth run sewer, ordinary repairs upon floor.

LIGHT-STREET BRIDGE.

This bridge is the main thoroughfare between the city and Anne Arundel county. Its entire length is 4,551 feet, and its width 19 feet. It is a wooden structure built upon a pile foundation. The abutments or piers on either side of the draw bridge, are close built wooden cribs filled with oyster shells. The opening of the draw is 70 feet wide, and is worked by steam power, which was first introduced in 1874, at which time it became necessary to widen the draw. Prior to this time it was a small and light affair worked by hand power, which was then found to be amply sufficient, there

being at that time but little commerce west of the bridge. Since then there has been a very considerable increase in trade, and a large amount of tonnage daily passes the bridge. Much of the extensive water frontage known as the head of Spring Gardens, is gradually being built up with substantial wharves, warehouses, manufacturing establishments, &c., to accommodate this increasing trade, thus creating a corresponding increase in the work to be performed by the boilers and machinery connected with the draw-bridge, and consequently a greater amount of wear and tear upon both, thereby annually increasing the cost of keeping in repair the same. To add to the foregoing, it would be difficult to calculate the great daily increasing traffic over this bridge within the past few years—this, to a great extent, having been brought about by an Act of the General Assembly of Maryland during the session of 1878, authorizing the city of Baltimore, by purchase, to become a joint owner of the bridge with Anne Arundel county—one of the conditions being that the same should be declared free of toll--thus causing a rapid increase of population and business enterprises on the county, as well as the city side of the river. This increase of traffic, much of which is quite heavy, necessarily in a structure of this kind, must augment the annual cost of keeping it in a safe condition as a highway. In the early spring of this year I made a thorough examination as to the condition of the bridge, and found that the roadway, at its junction with the north end of the bridge, had been badly washed out by high tides during a severe storm; and in order to avoid a like occurence in the future, a row of eleven piles

was driven on the damaged side of the roadway, and a bulkhead 80 feet long and of sufficient height was erected to hold and protect the road. It is believed this will fully accomplish the purpose for which it was intended. Upon examination of the underneath part of the bridge, it was found that the brents or trestle work for the support of the flooring, were many of them badly decayed and very unsafe for heavy traffic. The strengthening of the weakest places was at once begun, and continued until the bridge was made safe, for the present season at least. Much more of this character of work will have to be done next year, to place this bridge in proper condition to meet the requirements of the large and heavy travel over it. As much flooring as was needed for safe travel, was put down at various points. The draw-bridge has been entirely covered with new flooring. In 1882 there was constructed by the city and county jointly a new draw-bridge, the old one having become from age and wear unsafe. At the same time new abutments were erected as hereinbefore described, and the whole structure at this point greatly strengthened. For this character of work it was doubtless done in as careful and substantial manner as possible; yet, notwithstanding this, the fact remains that the tramway or track upon which the draw bridge moves, needs at the present time adjusting, it being uneven in surface as well as out of line, thereby requiring a greater amount of power to open and close the draw than it should require; and at the same time, the uneven strain upon the wheels carrying the structure, has caused within the last year or two the breakage of several pinions, as well as some of the

wheels. From the nature of the foundation over which this sliding draw is propelled, adjustment of track from time to time will be unavoidable. The continued expense attendant upon keeping in good order this class of draw-bridge, and at the same time the amount of power necessary to open and close it, and the great difficulty of repairing it when extensive repairs are required, to say nothing of the serious inconvenience and loss to the public by suspension of travel on an occasion of this kind, all point to the fact that a pivot or swinging draw of the latest approved pattern should be substituted for this cumbrous and obsolete affair, and I most earnestly recommend, on the score of utility and economy, that this be done at the earliest moment practicable.

Another very serious drawback to the economical and safe working of this draw-bridge presenting itself to me, was the totally unfit character of the water in use for generating steam. The cost of repairing boilers, consequent upon the corrosive character of this water, has been, until within a short time since, a very heavy item in the maintenance of the bridge, to say nothing of constant danger of accident by explosion.

This difficulty was fully recognized by my predecessor, who, to obviate this difficulty, caused to be sunk a drift-well to the depth of 89 feet, hoping thereby to obtain a better class of water. This proved, so far as obtaining the needed supply of good water, a failure. Thinking possibly a good supply of a better character might be had by going deeper, I caused a well to be driven 200 feet deep to bed rock, with no better results

than had been obtained at the lesser depth, and as an artesian well to be bored through rock was an expensive experiment, this mode of attempting to procure a supply of fresh water was abandoned.

I insert here analysis made by Professor William P. Tonry, of water heretofore used in boiler at drawbridge, which, I think, needs no further comment.

Wm. P. Tonry, Ph. D.

Analytical & Consulting Chemist.

Analytical Laboratory,

12 N. Holliday Street.

Baltimore, Md., May 28th, 1886.

Sample of water received May 24th, 1886, from City Commissioner's office, marked Light-street Bridge, yields the following results:

Ammonia, free	0.15	milligramme per litre.
" Albuminoid	0.10	" "
Solids, volatile	20.00	grains per gallon.
" mineral	124.00	" "
" total	144.00	" "
Chlorine	59.50	" "

Character of the sample as a potable water, bad.

Character of the sample for use in steam boiler, bad and unfit for use.

Organic solids	20.00	grains per gallon.
Chloride of sodium	98.05	" "
Sulphate of lime	7.93	" "
" magnesia	6.55	" "

Carbonate of lime	3.50	grains per gallon.
Oxide of iron.....	1.86	" "
Silica	3.33	" "
Not determined.....	2.78	" "
Total solids.....	144.00	

Wm. P. Tonry, Ph. D.
Chemist.

After consulting with his Honor, the Mayor, upon this subject, the importance of a remedy for this evil at once became apparent to him, and by his permission I obtained a supply of fresh water from the city, by connecting an inch and a half pipe with one of the city mains, at the intersection of Hanover and Moale streets, which pipe is laid in the beds of the following streets: Moale street to Hanover street, Hanover street to Cromwell street, Cromwell street to Marshall street, and in Marshall street to the Ferry Point road, a distance of 2,532 feet. The cost of which was paid by the city, and charged to repairs of bridges.

The rest of the line, from the Ferry Point road to the engine house at draw, 1,116½ feet, was paid for by the city and Anne Arundel county jointly. A tank has been erected at the engine house, which contains, when filled, 1,800 gallons of water. This was constructed from old bridge flooring, and will hold, in case of accident to the pipe in severe weather, from eight to ten days' supply. It is intended to enlarge the storage capacity of this tank at an early day. Both boilers have been thoroughly repaired, the larger one after an

explosion had taken place on the first of May last. Fortunately, no serious damage occurred by the explosion. These boilers have been recently inspected by the proper authorities, and it is believed that, with the supply of pure water at hand, with proper care, they will not need repairing for years to come.

The engine, which has been in use for many years, and has undergone numerous repairs from time to time, should be replaced with a new one, as it is so nearly worn out as to seriously affect its capacity to perform the work required of it.

By an Act of the General Assembly of Maryland, page 30, chapter 24, approved March 10, 1886, a law was passed empowering and directing Baltimore city and Anne Arundel county jointly, to erect lamps along Light-street bridge. In compliance with the above, twenty-seven piles have been driven on either side of the bridge, seventy-five yards apart, for the purpose of erecting lamps thereon. On the 28th day of May, 1886, four lamps were placed in position at the draw, and have been in regular use since that time. The putting up of the rest of the lamps has been deferred until the appropriation for the present year shall have been made, when it is proposed to erect them. This, when completed, will be a very decided improvement and long needed convenience to the public.

HARMAN'S BRIDGE

This bridge is a temporary structure, 1450 feet in length and 18 feet in width, crossing Gwynn's falls. It received very extensive repairs two years ago, but was

badly damaged last winter by the breaking up of the ice, which required adjustment and strengthening of the trestles and piles to be made, in addition to the usual annual repairs. From the temporary character of this structure, and its constant use by heavy traffic, it will necessarily cost a considerable amount of money annually to keep it in repair. As the city is the owner of a strip of land, only 18 feet in width, upon which this bridge stands, and as it is the only thoroughfare between the city and that portion of Baltimore county on the opposite side of the stream, with the exception of the Washington-road bridge, which is about a mile west of it, the time is not far distant when better and more ample accommodation will be required by the public. If Russell street were opened and paved to its intersection with Bush street, at the north end of the bridge, a new bridge could be built along its line, about 100 feet long, to take the place of the present long bridge. The city would thus get rid of the constantly increasing expense of keeping the old bridge in repair, and have a bridge that would accommodate the large traffic that would use it.

GENERAL SYSTEMS OF SEWERAGE.

While it appears to be the unanimous opinion of those who have investigated the subject, that all large cities should be provided with general systems of sewerage, adapted to their particular localities, for sanitary purposes, as well as the general comfort and convenience of the citizens; and possibly no subject has more fully engrossed the attention of the best acknowledged sanitarians and skilled engineers of the

present day than this important one; and while sharing as I do, to the fullest extent, the sentiments expressed as to the necessities of this city, I am, at the same time, not unmindful of the magnitude of the undertaking. It must be confessed that whatever plan, out of the many which have been presented, and those in use in this and other countries, each claiming superiority over the other, either of which, or any other general system which might be adopted, would require many years and several millions of dollars to execute.

And as no positive steps have been taken for the adoption of such general system in this city, I shall confine myself to the mention only of such sewers as are necessary at present, and ought to be constructed with as little delay as possible. In doing this I but reiterate what has been recommended in several reports from this Department, and endorsed, with valuable suggestions thereon, by his Honor Mayor Hodges, in his message to the City Council, January 1, 1886, pages 42 to 45 inclusive, in which his Honor says: "The data made use of was obtained by the most careful practical observations by persons entirely capable to deal with the question."

Indeed, the proposed improvements spoken of therein, with the exception of one or two important points, cover all which the plans of this department contemplated.

In concluding his remarks upon this question of sewerage, his Honor says, (vide page 45): "Of course these proposed improvements will require considerable outlay; how much, has not been estimated. I only know that there is great necessity for them, and I sug-

gest that the whole matter be referred to a committee of the Council, to ascertain from the city engineers the probable cost of the work, and the ways and means of raising the money for the accomplishment of the object." Again, page 43, his Honor says: "Whilst in the future it may become necessary to provide a general system of sewerage, it is of the first importance that some immediate provision be made for the relief of the section aforesaid." The facts set forth herein are to well known to admit of argument, as it is only necessary to go over the sections of the city covered by the Mayor's message and look at the widespread injury to property caused by every heavy rainfall, and the unsanitary condition of said districts, to thoroughly convince the most skeptical of the pressing need of such relief as is contemplated in the plans laid down by the City Commissioner's Department. As suggested by his Honor the Mayor, a committee was appointed by both branches of the City Council, composed of the following gentlemen: First Branch, James Hewes, Wm. A. Hanway, John F. Doyle; Second Branch, Thomas W. Terry, John Long, D. F. Pennington, who made inquiry as to plans contemplated, and estimated cost of same, which, after mature consideration and most careful calculation, were handed them in detail. The following is a synopsis of same:

For Druid Hill-avenue relief sewer, $150,000; Northeast branch of Gwynn's-run sewer, $274,000; the Schreoder's run system of sewerage, as follows, that is to say: first, for the Calhoun relief sewer, $265,000; second, for diversion of sewer from Arlington avenue, in Pratt, Schroeder and Fayette streets, Arlington ave-

nue and Saratoga streets, to Carrollton avenue, $60,000; third, for the improvement of Schroeder's run, from foot of Carey street to Spring Gardens, $300,000; for Chatsworth run system of sewerage, as follows, that it to say: first, for intercepting sewer on Eutaw street, from Spring Gardens to Fremont street, and on Fremont street, from Eutaw street to Columbia avenue: second, for the continuation of Penn-street sewer, from Dover street to Columbia avenue; third, for the improvement of Chatsworth run, north of Baltimore street, $200,000; for the Light-street sewer, from Light-street wharf to West street, $51,000—total, $1,300,000.

I would here add, that experience in the past having clearly demonstrated that a sufficiently accurate calculation of the acreage, and the probable and possible rainfall in a given time, had not been had in the construction of sewers in many parts of the city, hence the total inadequacy of some of them to perform the service required. To guard against similar errors in the future, I have caused plats to be made showing the correct water shed and amount of acreage of the various districts which are necessary to be relieved by the construction of sewers, and ample capacity has been accorded all contemplated work of this charactor to receive and discharge the heaviest known rainfalls which have visited this latitude. In addition to this, permit me to say, that it is difficult to conceive how any general system of sewerage for the city of Baltimore, be it ever so elaborate or otherwise, even to the interception of the entire water shed of the city from the harbor and adjacent streams, by a mammoth conduit for same, or by any given number of artificial out-

lets, and the conveying of sewerage to any designated point outside of the city, distant or otherwise, could in any way conflict with the plans already under consideration, as the very sewers now being constructed, as well as those completed, would undoubtedly be required to carry out any general system which in the future may be adopted. They are, in reality, auxiliaries, in my opinion, to any and all possible plans or systems, inasmuch as they entirely relieve such section as they are contemplated to relieve, from storm-water, and carry same to the level pointed out by nature as the receptacle for it.

CHATSWORTH-RUN SEWER.

This sewer was ordered to be constructed to a given point by ordinance approved by the Mayor and City Council, No. 19, of 20th of March, 1885.

The work in accordance with same has been completed. Plans and specifications for this sewer were made by Mr. Charles P. Kahler. The construction of the work was carried on by Mr. C. A. Hook.

HARFORD-RUN SEWER.

Now in course of construction, is also in charge of Mr. Hook. For detailed statements in reference to the above sewers, I beg to call your attention to the annexed report of that gentleman, which so far as pertains to that part of the work entrusted to him, I deem sufficiently explicit. At the present time there is but one point in connection with the construction of the sewer which, in my opinion, invites unfavorable comment,

namely, the letting of the contract for building the same before a clear and indisputable right of way had been obtained therefor. This fact, as you are aware, has caused no little annoyance, to say nothing of expense and possible future delay in the completion of this work. Negotiations, however, are now pending, which it is hoped may enable the city to continue this important and much needed improvement without serious interruption.

NEW SEWERS.

The nature of the work done in accordance with ordinances of the Mayor and City Council, is shown in the following statement:

Central-avenue sewer, Ordinance No. 14, approved March 18, 1886.

Division and Gold-street sewer, Ordinance No. 16, approved March 18, 1886.

Necessity-alley sewer, Ordinance No. 20, approved March 18, 1886.

Extension of Low-street sewer, as per general appropriation.

These sewers are circular in shape, and are constructed of brick and stone, a portion of the inverts being of stone, and are all laid with the best hydraulic cement.

The man-holes differ somewhat from those heretofore constructed in this and other cities; they are two feet square, built on the side of the sewer instead of in the centre, with iron bars let into the brick work in

the corners, affording ready access to the sewer, and doing away with the necessity of a ladder.

Central-avenue Sewer.

This sewer connects with the four feet circular sewer in Central avenue, (which has a grade of 29-100 of a foot per 100 feet, and a capacity to discharge 79, 14-100 cubic feet of water per second,) at a point near the north building line of Jefferson street, and extends thence in Central avenue, a distance of 396 feet, with a diameter of 3½ feet, a grade of 9 inches per 100 feet, and a discharging capacity of 88 77-100 cubic feet per second; thence continuing in Central avenue to the north side of Madison street, a distance of 771½ feet, with a diameter of 3 feet, a grade of 1 53-100 feet per 100 feet, and a discharging capacity of 84 18-100 cubic feet per second; total length, 1,167½ feet.

As shown above, the capacity of this sewer is slightly in excess of the four feet sewer it connects with at Jefferson street.

At the intersection of Madison street and Central avenue, four inlets have been constructed, with openings from the street equal to an area of 34 square feet; the openings from the inlets into the sewer are equal to an area of 12 square feet.

Amount of appropriation	$8,926 00
Paid Register	15 60
	$8,941 60
Amount expended	8,921 86
Balance	$19 74

Division and Gold-street Sewer.

This sewer connects with the three feet circular sewer in Division street, 70 feet north of the north building line of Bloom street, and extends thence in Division street to Gold street, in Gold street to Pennsylvania avenue, and in Pennsylvania avenue 53 feet north of the north building line of Gold street, with a diameter of three feet, a grade 2 17-100 feet per 100 feet, and a total length of 733 feet, with a capacity to discharge 100 36-100 cubic feet of water per second.

There were two inlets constructed at Gold and Division streets, with openings from the street equal to an area of 10 square feet, and openings from the inlets into the sewer equal to an area of 7 14-100 square feet; also two inlets in Pennsylvania avenue north of Gold street, with openings from the street equal to an area of 24 square feet, and openings from the inlets into the sewer equal to an area of 7 14-100 square feet.

Amount of appropriation..	$6,000 00
Paid Register.....	13 75
	$6,013 75
Amount expended	5,987 99
Balance...	$25 76

Necessity-alley Sewer.

This sewer connects with the old stone sewer, (which empties into Jones' falls,) at a point in Fayette street between Jones' falls and Front street, and extends thence in Fayette street to High street, and in High

street to Necessity alley, a distance of 660 feet, with a diameter of 3½ feet, and a capacity to discharge 89 95-100 cubic feet of water per second; thence in Necessity alley to the east side of Exeter street, a distance of 274 feet, with a diameter of 3 feet, and a discharging capacity of 59 55-100 cubic feet per second; thence, still in Necessity alley, to the east side of Chesnut street, a distance of 202 feet, with a diameter of 2¾ feet, and a discharging capacity of 47 24-100 cubic feet per second; total length, 1,136 feet, with a grade of 9 inches per 100 feet.

There were eight new inlets constructed through which to introduce the water into this sewer; four at Fayette and High streets, with openings from the street equal to an area of 17¾ square feet, and openings from the inlets into the sewer equal to an area of 7 14-100 square feet; one on High street, at Necessity alley, with an opening from the street equal to an area of 5 square feet, and an opening from the inlet into the sewer equal to an area of 3 57-100 square feet; one at Exeter street and Necessity alley, with an opening from the street equal to an area of 5 square feet, and an opening from the inlet into the sewer equal to an area of 3 57-100 square feet, and two at Chesnut street and Necessity alley, with openings from the street equal to an area of 24 square feet, and openings from the inlets into the sewer equal to an area of 9 15-100 square feet.

The section drained by this sewer embraces an area of 30 4-10 acres. Assuming that the sewer will receive within any given time only two-thirds of the rain fall-

ing in that time, shows that it is capable of discharging a rainfall of four inches per hour.

The construction of this sewer necessitated the alteration and improvement of the intersections of Fayette and High streets, Exeter street and Necessity alley, and Chesnut street and Necessity alley, which were at times almost impassable, and liable to break vehicles and injure horses. This sewer and the alterations made in the intersections of the streets above-mentioned, were a much needed improvement, and have already in the short time they have been completed, met with general approval and demonstrated their usefulness.

Amount of appropriation		$13,668 60
Less transferred to repairs of sewers.	$1,500 00	
Less transferred to gutters at Chase and Valley streets	460 92	
		1,960 92
		$11,707 68
Paid Register		6 20
		$11,713 88
Expended		11,076 63
Balance		$637 25

Extension of Low-street Sewer.

This sewer connects with the Low-street sewer, (which has a diameter of 5 feet, a grade of 7-10 of a foot per 100 feet, and a capacity to discharge 223 64-100 cubic feet of water per second,) at the intersection of Ensor and East streets, and extends thence in Ensor

street to Mott street 594 feet, with a diameter of 3½ feet, a grade of one-half foot per 100 feet, and a discharging capacity of 72 76-100 cubic feet per second; thence in Mott street to Gay street, a distance of 323 feet, with a diameter of 3 feet, a grade of one-half foot per 100 feet, and a discharging capacity of 48 9-100 cubic feet per second; total length, 917 feet.

At a point in Ensor street, between East and Forrest streets, in excavating for the bottom, a bed of quicksand was encountered, which gave considerable trouble, and for the distance of 220 feet the invert was constructed in a cradle of stone, which had to be built on a timber platform, causing a considerable increase in the cost of the work.

Two inlets have been constructed, one on the west and the other on the east side of Ensor street, at Mott street, with openings from the street equal to an area of 22 square feet, and openings from the inlets into the sewer, equal to an area of 14 29-100 square feet.

The extra expense attending the construction of this sewer from the cause above-mentioned will require an additional appropriation of $1,500 to complete it, as there still remains to be built 175 feet of the sewer on Mott street, and two inlets at Gay and Mott streets, one of the principal points to be relieved by it.

Amount of appropriation	$7,544 12
Paid Register	29 48
	$7,573 60
Amount expended	7,392 40
Balance	$181 20

PULASKI AND LANVALE-STREETS SEWER.

The contracts entered into on the 28th day of August, 1884, with Messrs. Morgan and Bresnan, to grade, kerb and pave Lanvale street, from Fulton avenue to the western city limits; and on the 18th day of November, 1885, with James P. McGovern, to grade, kerb and pave Edmondson avenue, from Monroe street to the western city limits, necessitated the construction of two sections of this sewer, with their proper wing walls for these streets, before the contracts could be completed.

This sewer is circular in shape, built of brick and stone, laid in hydraulic cement, in a cradle of stone; the invert to the height of one-fourth of the diameter of the sewer, is of blocks of Port Deposit syenite, 6 inches wide on the face, 9 inches deep, and from 10 to 16 inches long; the balance of the invert is of two courses of brick, 9 inches thick; the arch of three courses, 13½ inches thick, backed up with sufficient weight of stone, to prevent any settlement or giving way of the arch.

The section for Lanvale street begins at a point in Pulaski street about 29 feet south of the south building line of Lanvale street, and extending thence in Pulaski street, Lanvale street and Brice alley, to a point in Brice alley about 10 feet north of the north building line of Lanvale street.

It is 265 feet long, exclusive of the wing walls, with a diameter of 10½ feet, a grade of 10 inches per 100 feet, and a capacity to discharge 1730 cubic feet per second.

The section for Edmondson avenue is in Pulaski street, at the intersection of Edmondson avenue. It is

104 feet long, exclusive of the wing walls, with a diameter of 11 feet, a grade of 10 inches per 100 feet, and a capacity to discharge 1960 cubic feet per second.

Ordinance No. 52, approved 29th April, 1886, appropriates to begin this work	$10,000 00
Paid Register	23 33
	$10,023 33
Amount expended	7,547 67
Balance on hand	$ 2,475 66

The estimated cost of this work was	$21,000 00
Amount appropriated to begin the work	10,000 00
Amount necessary to complete the work	$11,000 00

This work was under the supervision of Mr. C. P. Kahler, Assistant City Commissioner, and was diligently and faithfully prosecuted.

A. E. Smyrk, Esq.,

City Commissioner.

Sir—In submitting this, my final report on the completion of Chatsworth run sewer, I find it necessary to repeat a portion of the report made to your predecessor for the year ending 1885.

By an Ordinance No. 19, March 20th, 1885, your department was authorized to build a sewer from the intersection of German and Arch streets, on German to Penn street, down Penn to Dover street, connecting at

both ends with the old Chatsworth run sewer, thereby diverting the water from its original course under private property into the public streets.

This work was commenced April 27th, 1885. Contracts for furnishing materials and doing a part of the work were entered into with the following parties:

Messrs. Lyons & Redington doing the excavation for 49 cents per cubic yard.

Bricks were furnished by Young O. Wilson & Son for $8.25 per thousand.

Cement by Russell & Giese at $1.13 per barrel, allowing 14 cents for all empty barrels returned.

Sand by Morgan & Bresnan at 70 cents per cubic yard.

Stone by Leonard & Schwind at 1.59\frac{9}{10}$ per cubic yard.

Paving stone by Messrs. McClennahan & Bro. at $10 per hundred.

Skew-backs by John Harris for $1.30 per linear foot.

Bricks were laid by J. B. Wellener & Son for $4 per thousand. The balance of the work, such as the laying of stone paving, etc., was done by the day.

DESCRIPTION OF SEWER.

Connecting with the sewer on Arch street north of German, it is built in chords of 10 feet, on a radius of 51 feet, which throws the sewer to the south side of German street; thence in a straight line bearing to the north of German street, until it reaches the point of

curve turning down Penn street; thence by a curve with a radius of 72 feet it runs to the west side (toward the centre) of Penn street for a distance of about 105 feet, where the sewer takes the centre of Penn street, and so continues to its terminus at Dover street.

This sewer has an inverted bottom, its centre, as a general thing, being one foot lower than its sides. Its bottom is paved with Port Deposit blocks of stone, grouted with hydraulic cement. Between the bottom and the spring line, the sewer is rectangular in shape, 16 feet wide by 3 feet high. The side walls average about 3 feet in thickness, built solidly against the side of the cut. On top of these walls are set large skew-backs, from which is sprung a 14-inch brick arch, which has a middle rise of 4 feet. Its total length is 1,317 feet.

LATERAL SEWERS.

Two lateral sewers 3x4½ feet (egg shaped, with points downwards) have been built in connection with this work, the objects of which were to divert the surface drainage accumulating along the line of the old sewer, between German and Pratt street, and carry it into the new sewer.

One connects with the main sewer on Penn at King street, and runs in King street 68 feet, where two old inlets (were removed from the old sewer,) and two modern inlets built in connection with the small sewer which conveys all the water into the large new sewer.

The other connects with the main sewer on Penn street at Cider alley, and runs in the centre of Cider

alley eastwardly from Penn street 185 feet, to the intersection of the old Chatsworth run sewer. At this point the old sewer was torn out to make place for the two inlets which were built across the bed of the old sewer. By this arrangement the water in Cider alley, and the entire surface drainage along the line of the old sewer between German and Pratt streets, has been diverted into the new sewer.

PINE-STREET SEWER.

Pine-street sewer, which ran on the north side of German street, and emptied into the old Chatsworth run sewer at Arch street, was cut out by the new sewer at Penn and German streets, and turned from the west side of Penn street, by a curve, into the new sewer.

Especial plans were prepared for this connection. It fortunately happened that, at the point of connection, the large sewer was at such a depth below the surface that we were enabled to raise the side walls sufficiently high to admit the Pine-street sewer in under the skewbacks. This being the case, I had invert and ring stones cut of granite, ranging from 2 feet 9 inches to 4 feet 6 inches in length, cut to fit the angle made by the two sewers. Standing in the Chatsworth run sewer opposite this connection, the mouth of the Pine street sewer presents the appearance of a *Portal Wall;* and whilst the force of water at this point is very considerable on account of the stiff grade, I feel safe in saying that the work will stand as long as materials last. In front of this sewer we had placed some large square granite blocks, upon which the water from the Pine-

street sewer dashes with great force. It might be necessary, in the course of time, to place more of this character of paving just at this point, but at present the pavement, as placed there, is standing all right.

INLETS.

Eleven side and two corner inlets connect with the large sewer, with openings varying in dimensions from 4 feet by 10 inches to 14 feet by 12 inches. These inlets are all trapped with the galvanized iron swinging doors.

WORK DONE—MATERIALS USED IN CONSTRUCTION.

15,205 cubic yards of earth excavated, excluding lateral sewers and inlets.

682,858 bricks were used over the whole work.

2,837$\frac{80}{100}$ cubic yards of rubble stone, whole work.

2,617 linear feet of skew-backs.

1,725 cubic yards of sand.

41,236 blocks of Port Deposit stone.

4,021 barrels of cement.

In my last annual report to your predecessor, I called attention to the necessity of building the two lateral sewers hereinbefore described, (and since completed,) and at their completion suggested the filling up and the total abandonment of the old run.

I would again respectfully urge, as a sanitary precaution, (apart from the dangerous condition of the old stone arch upon which, in some places, houses have their foundation,) that measures be taken at an early

day for the filling up of this old water course, between the points where it crosses German and Penn streets. It is reasonable to suppose that old water courses having been relieved of the constant flow of water and never flushed from rains, are bound to become cesspools of filth, where garbage, and in no few instances, water-closets find an outlet. The condition of the old Harford run sewer (before a system of lateral sewers was constructed as its remedy,) was a parallel case, whose condition, before the improvement was made, was such as to defy description. Hence, for the above reasons, I would urge the filling up of this old run or sewer between German and Pratt streets. It could be done at a very small cost by making an arrangement with the street department for the ashes gathered in that district.

At this point, where the new sewer connects with the old sewer on Penn and Dover streets, there is (and will be until this new sewer is continued down Penn street as proposed) necessarily quite an obstruction in the flow of the water, caused partly by an angle made in the connection, and partly in the lack of capacity in the old sewer to carry off the water. The fact is that the new sewer (in my judgment) is blocked from operating only to a trifle over one-half its capacity, and whilst this obstacle remains, no appreciable benefit of the new sewer will be realized.

In conclusion, I think it only just to the local superintendent and the workmen under his charge to say (this large sewer, the excavations of which reached from kerb to kerb, the banks rotten and constantly inclined to break and cave in, some places the foundations

directly under the cracked walls of buildings, and during its construction frequently visited by floods, which are so damaging to works of this kind during construction) that no serious accident happened which could be charged to their neglect during the execution of the work.

The work was entirely completed 23d October, 1886.

Amount of appropriation		$67,414 50
Paid in 1885	$41,367 52	
Paid in 1886	22,632 40	
	$63,999 92	
Transferred by Ordinances to repair of bridges	1,500 00	
To Bolton property	300 00	
To extending gutters, Chase and Valley streets	460 92	
		66,260 84
Balance		$1,153 66

HARFORD RUN IMPROVEMENT.

This work, as you know, is divided into two sections; one is known as the northern extension, the other as the southern extension.

Northern Extension.

The work under this head calls for a circular brick sewer 8 feet in diameter, and is located in Gay street extended, commencing near the Union Railroad bridge, and runs thence in Gay street to Wolfe street, in Wolfe street to Lanvale street, in Lanvale street to Castle

street, in Castle street to Townsend street, in Townsend street to Chester street, in Chester street to North or Boundary avenue.

This work, as well as the southern extension, is under contract to Messrs. Jones & Thorne, and has been energetically pushed forward during the past season.

Work was commenced in Wolfe street near Oliver street, April 1st, 1886. From this point in Wolfe street to Lanvale street, in Lanvale street to Castle street, in Castle street to Townsend street, in Townsend street to Chester street, and about 200 feet in Chester street have been completed, leaving a distance of about 868 feet to be done. Six hundred feet is built in a cradle of stone masonry of such dimensions as circumstances required.

All of the arches have been supported with spandril walls of rubble masonry; eight man-holes have been placed along the sewer for ventilating purposes, and eight 20-inch cast iron pipes have been inserted at the cross streets for inlet connections when the streets are graded, and the inlets needed. This will obviate the necessity of tearing the masonry of the sewer to pieces in the future to make inlet connections. The old stone arch under Washington street was removed, and the new sewer continued in its stead. This was a troublesome place to work in consequence of contact with the constant flowing stream in the line of the sewer, and the two large 40-inch water mains in Washington street under which the sewer had to pass. The total length of this sewer, when completed, will be 3,026 feet; thus far 2,158 feet have been completed, and I hope by the middle of next season to report the entire

completion of this work. In the establishment of grades in this district, I hope it can be found practicable to lift the depression in Washington street between Townsend and Federal streets. A glance at this street would convince any one that a decided improvement could be made at a reasonable cost by taking out this depression. It would be necessary to change the grade from a point near Federal street to a point 50 feet or more north of Lanvale street. The property owners in this district are anxious for the completion of this work, and it is presumed that they will, as soon as the low ground is filled, proceed to build up this locality, which will add considerably to the city's taxable basis.

Southern Extension.

This sewer is a continuation of what is known as the Harford-run diversion sewer, from its terminus at Monument and Patapsco streets down Patapsco street to a point near Hudson street, where it is curved to the right on a radius of 500 feet, until it can be continued in a straight line through the present bed of Harris' creek to the north building line of Boston street.

Work was commenced on this section December 29, 1885, and since the opening of the season this work has also been energetically pushed forward.

The plans for this sewer are as follows: commencing with a ten-foot circular brick sewer at Monument street and continuing the same in Patapsco street 3600 feet to a point in Patterson park, where the grade changes, and where it will be necessary to provide a connection for Ogier's run. At this point the sewer is

enlarged, and so continued to Eastern avenue. At Eastern avenue the grade is again changed, and the sewer enlarged and continued, as hereinafter described, to a point north of Lancaster street, where high tide finds its level. From this point to the terminus the capacity of the sewer is increased to provide for back water from high tide.

About the time the contractors were ready to commence the construction of one of these large sections in Patterson park, the question arose whether (in view of the fact that many of the sewers throughout the city are overcharged in heavy storms) it would not be well to enlarge the sections on the lower end. After your thorough examination into the different plans and comparative cost of each, it was decided to enlarge the lower sections, and the work is now being constructed as by your suggested change; and whilst the cost of this change will amount in the end to probably $20,000, the city will get a sewer with an increased area of 33 84-100 square feet, equal to a discharge of 275 cubic feet more per second, thus increasing the capacity about 31 per cent.

There has been 625 feet of the 10-feet circular sewer completed, of which 540 feet was built in tunnel. From the mouth of the tunnel to the terminus of this sewer through the low ground, it was found necessary to drive piles for a foundation, and during the past season 1938 piles have been driven, aggregating 64,864 linear feet net, averaging about 33 feet to the pile and covering about 2264 linear feet of the sewer bed, leaving about 950 linear feet of the sewer to be piled. We

are now driving piles between 45 and 50 feet, and I presume the balance will average about 47 feet in length.

Timber Platform.

This consists of 12-12 Georgia pine stringers, laid parallel to the sewer and fastened with wrought iron nails, 21 inches in length, to each pile head. On these stringers is laid 6-inch lumber, square with the line of the sewer, and long enough to cover its entire bed; this lumber is fastened to the stringers with wrought nails, so that the whole platform is thoroughly tied together.

There has been completed about 2070 linear feet of this platform, leaving about 1150 linear feet yet to be laid.

The section of sewer in Patterson park has a span of 17 feet, with a height of 3 feet 3 inches from the bottom to the springing line, and a rise in the centre of 6 feet, or a total height of 9 feet 3 inches. Its side walls consist of two 12-inch courses of cut stone, on which is set a large skew-back, from which the 14-inch brick arch springs. The brick work is backed up with heavy rubble masonry, and has been built sufficiently strong to stand without earth support. Of this section 1033 feet have been completed.

The section of sewer south of Eastern avenue has a span of 24 feet, with a height of 2 feet from the bottom to the springing line, and a rise of 7½ feet in the centre, or a total height of 9½ feet. The side walls are of cut stone, (classed as rock ashlar,) and the skew-backs run back not less than three feet into the wall. This arch consists of four rings of brick, being about 18 inches

thick, and supported with heavy rubble masonry. About 270 feet of this section has been completed.

The lower section, or the one running from the gas-house north of Lancaster street to the terminus, has a span of 24 feet, with a height of 4 feet from the bottom to the springing line, and a rise in the centre of 5½ feet, or a total height in the centre of 9½ feet.

The side walls of this section also consist of cut stone, (classed as rock ashlar,) upon which is set a skew-back, from which an 18-inch arch springs, and which is thoroughly backed with heavy rubble masonry.

All of this heavy work has been built above the natural surface of the ground, hence its support is dependent exclusively upon its construction.

Thus far I have not observed a single crack or flaw in any of this work. Ten man-holes, for ventilating purposes, have been built on this section.

Seven 20-inch cast iron pipes have been connected at different points for inlet purposes. Four of these are placed at Eastern avenue, and the pipes have been continued to the surface, preparatory to building the inlets, which, however, have been deferred in consequence of the early winter.

The contractors are still driving piles and working on the sewer, as the weather permits, but the probability is that with the exception of driving piles, hauling stone, and a little open cut excavation, the work will stand still after the first of January until the 1st of March.

All the masonry laid has been covered with sufficient dirt or refuse lime from the gas-house to prevent the frost from doing it damage.

There has been expended on this work to 1st December, 1886, as follows :

During the year 1885	$ 1,668 58
During the year 1886	121,444 50
	$123,113 08
Ten per cent. due to contractors and payable at completion of work	12,283 19
Total to 1st December, 1886	$135,396 27

I desire now to call your attention to some of the difficulties to be encountered in the building of the sewer from Lancaster to Boston street. Harris' creek is one of the largest streams of water to be provided for in our city, its drainage area being about 1900 acres, and the total length of the sewer three miles. The location for the outlet of the sewer is the selection of nature, and no other location, in my judgment, presented the same advantages, which the present plans contemplate; but even here (like all other districts of our city adjacent to the outlet of streams and the harbor) the streets which are graded have been kept entirely too low to admit the construction of a large sewer, without disturbing the established grades. In determining the required size of a sewer under such circumstances, you are brought face to face with a problem involving interests of a conflicting nature; for instance: make your sewer its proper size and your

arch crops out the tops of streets. On the other hand, if you adapt your sewer to the street grades, you havn't sufficient capacity to discharge the volume of water in ordinary rains. Under some circumstances, where grades have been long established and property improved, there is no alternative but to confine yourself to the existing surfaces, hence sewers too small have been built in different localities, and forever after, in every ordinary rain, private property suffers from overflow, (*and I may add here* that this fact is one of the many reasons why the plans of sewers and the street grades should be jointly considered in advance of the growth of the city.)

In the present case, whilst some of these difficulies appear, such as the low elevations of the paved streets, there are no improvements of any consequence in these localities; and when the pinch of the decision came, it was determined not to sacrifice the size of the sewer for the sake of the present street grades, but to raise, regrade and repave such streets as will be affected by this improvement. Plans have been prepared for these changes, which, if carried out, will, in my judgment, give satisfaction for all time to come. I will not enter into a detailed explanation of these plans, but simply give you an outline of my ideas; as for illustration: I take the sewer at Hudson aad Patapsco streets, which is the lowest established grade the sewer crosses. The top of the sewer at this point, as now being constructed, will stand 2 feet above the present surface of the cobble-stone pavement; add to that 1 foot 3 inches for sand and stone, we have 3 feet 3 inches, the necessary height to raise Hudson street above its present grade at the

intersection of Patapsco street and the sewer. Accord- to the plans, the grade of Hudson street will be changed between Binney and Luzerne streets, making a descending grade from Binney to Luzerne street of 1 36-100 feet per 100 feet, and requiring a fill of 5½ feet over the present grade of Hudson street at the crossing of the creek. This plan will necessarily create a pocket at Hudson and Luzerne streets, which the plan provides for, by building a small sewer running south through the Abbott iron rolling mill property, or the eventual bed of Luzerne street extended, (which is represented on the drawing in dotted lines,) and emptying near the mouth of the large sewer. If, however, Luzerne street should not be opened and condemned in time, I think, by explaining to the property-holders the intentions as just decided, they would gladly yield the right of way free, as fair compensation for the benefits derived from the location of the sewer through their property, (giving it an independent outlet,) in preference to a sewer in the bed of Hudson street, connecting and dependent on the large sewer for its outlet. The raising of the grade of Hudson street will necessitate a change in Patapsco street. The plan will show a depression at Dillon and Patapsco streets, where two inlets will be located and connected by a lateral sewer, leading to the main sewer. This arrangement, with other inlets located at the street crossings, will relieve *that low district* from all the surface drainage; and the raising of the grades in that locality cannot be other than a welcomed change.

In the line of the large sewer, water and gas-pipes will be encountered. These pipes, regardless of size,

should be either lowered below the grade of the sewer, or shaped to fit the centres of the sewer, so that there be no hindrance to the flow of water. The plans for this sewer contemplate the completion of the same from the north building line of Boston street to Monument street. This will leave the old present bridge 100 feet long, spanning Harris' creek, across the mouth of the sewer. The completion of the sewer will suggest an improvement at this point, the drawings of which I am having prepared, which will be ready for your inspection in a short time. The plan is simply to continue the side walls (which would be the bridge abutments) from the mouth of the sewer across to the south building line of Boston street, (making the span for the bridge about 28 feet,) then by building retaining walls along the south building line of Boston street, the city would be enabled to remove the old bridge and fill up the low ground. This bridge being an accommodation to the Philadelphia-Wilmington branch of the Pennsylvania railroad, I presume a proportion of the cost would be borne by them. By this change the city would get rid of the constant expense of repairing an old bridge, on one of the most frequented thoroughfares of the city. I would most respectfully urge your consideration of these suggestions, as they are questions, some of which must be settled before the sewer can be completed.

In conclusion, I desire to thank you for your kindness during our past business relations.

Respectfully,

CHAS. A. HOOK,
Engineer in Charge.

FALLS' ROAD.

Much complaint has been made from time to time of the bad condition of the Falls' road, from Maryland avenue to the city limits, and numerous petitions from citizens have been presented to have this road graded, kerbed and paved; in consequence of which the City Council passed an ordinance, (Ordinance No. 25, approved March 31, 1886,) instructing the City Commissioner to have the work done. Upon examination of the premises, it was found to be impossible to execute said ordinance without first erecting a retaining wall along the southwest side of the road, from Maryland avenue to the Maryland Central Railway station, nearly parallel with the tracks of the N. C. R. W. Co., and on the line of division between the property of said company and the property of the city in the Falls' road.

To obviate the difficulty, the above-named ordinance was repealed, and Ordinance No. 125, approved October 27, 1886, was enacted in lieu thereof. Said Ordinance No. 125 instructs the City Commissioner to have built a retaining wall along the said Falls' road, at the expense of the city. There being no appropriation made to carry into effect the said ordinance, and no money to be obtained from any other source, the ordinance remained inoperative. The following description will serve to show the dimensions and cost, approximately, of a retaining wall necessary to support the roadway when made of the proposed width, namely, 40 feet:

Length of wall, from Maryland avenue to the Maryland Central Railroad station, 695 feet.

Height at Maryland avenue, 29½ feet.
Height at Maryland Central station, 12 feet.

Estimate of Quantities and Cost:

Excavation, 600 cubic yards, at 20 cents	$ 120 00
Masonry, 2500 cubic yards, at $5	12,500 00
Coping, 2225 square feet, at $1	2,225 00
	$14,845 00
Contingencies	155 00
	$15,000 00

PAVING AND REPAVING IN FRONT OF CITY PROPERTY.

The appropriation for this purpose was	$1,500 00
Expended	1,258 90
Balance	$241 10

The sidewalks at Perkins' Spring square, at Federal Hill park, and several other places, were repaired and put in good condition with this money.

In concluding this my first annual report, I beg leave to return my sincere thanks to his honor, Mayor Hodges, and the members of the City Council generally, for the uniform courtesy and kindness extended me at all times, as well as for many valuable and practical suggestions received through them in the prosecution of the work pertaining to this Department. It also gives me great pleasure in saying that I have been ably and cheerfully supported in my varied duties by my assistants, in all grades, clerical and otherwise,

and I feel it but just to say that with very few exceptions, the conduct of laborers and mechanics employed by the Department during this season, in every respect compares favorably with that of any like number of men employed elsewhere. It being my constant aim to merit the honor conferred and confidence reposed in me by his honor the Mayor and members of the City Council, and with the hope that my efforts to discharge to the best of my ability the responsible and important duties entrusted to me, may meet with your approval,

I am sirs,

Your most obedient servant,

A. E. Smyrk,
City Commissioner.

LIST OF TABLES ANNEXED TO CITY COMMISSIONER'S REPORT FOR THE YEAR 1886.

Table A exhibits the amount of appropriations, the amounts expended, and the balances due on the several appropriations.

Table B shows the amount of money required for the year ending December 31, 1887.

Table C shows the streets, lanes and alleys paved, with names of contractors, dates of acceptance of work, and the amount of paving done for the year 1886.

Table D exhibits the amount of superficial feet of repaving done to December 31, 1886, and the localities in which it was done.

Table E shows the names of superintendents of repair gangs, quantity of work done and materials used by each, together with the cost of same.

Table F shows the revenue received in the Department for the year ending December 31, 1886.

TABLE A.

Showing the Amount of Appropriations and the Balances due on the several Appropriations for the year ending December 31, 1886.

ACCOUNTS.		Appropriations.	Amounts Paid.	Amounts Undrawn.
Repairs of sewers and inlets	$8 000 00			
This sum from Necessity alley sewer, per Resolution 189, of 1886	1,500 00			
Paid Register	2,893 84			
		$12,393 84	$9,446 93	$2,946 91
Flag and stepping-stones		10,000 00	9,995 78	4 22
Repairs of paved streets	$75,000 00			
Paid Register	705 62			
		75,705 62	74,986 54	719 08
Repairs of bridges	$6,000 00			
This sum from Chatsworth sewer, per Resolution 189, of 1886	1,500 00			
Paid Register	9 00			
		7,509 00	7,377 01	131 99
Paving and repaving in front of city property		1,500 00	1,258 90	241 10
Salaries		9,000 00	9,000 00	
Livery of horses		500 00	500 00	
Incidentals		50 00	33 64	16 36

Paving and repaving "cross-streets"	10,000 00	9,229 15	770 85
Paving new streets	43,973 63	43,973 63	
Repairs of unpaved streets	1,500 00	1,494 79	5 21
Improvement of Jones' Falls $86,415 32			
Paid Register 279 14			
	86,694 46	86,415 32	279 14
Light-street bridge $2,000 00			
Paid Register 22 53			
	2,022 53	1,803 65	218 88
Improvement of Harford Run	121,444 50	121,444 50	
Iron gutter-plates	3,500 00	3,489 89	10 11
Iron gutter-plates, per resolution 67, of April 3, 1886	3,650 00	3,648 57	1 43
Chatsworth sewer $26,003 48			
Transferred to repairs of bridges, resolution 189, of October, 1886 $1,500 00			
Transferred to Bolton property, resolution 128, of November 1, 1886 300 00			
$1,800 00			
$24,203 48			
Paid Register 2 50			
	$ 24,205 98	$22,632 40	$1,573 58
Amounts carried forward	$413,649 56	$406,730 70	$6,918 86

TABLE A—Continued.

ACCOUNTS.		Appropriations.	Amounts Paid.	Amounts Underrun
Amounts brought forward		$413,649 56	$406,730 70	$6,918 86
Dredging Jones' Falls		20,000 00	20,000 00	
Shelling Franklin street, per resolution 23, of 1886.		150 00	126 30	23 70
Shelling Eastern avenue, per resolution 43, of 1886.		900 00	877 73	22 27
Shelling E. Baltimore, E. Fayette and E. Monument streets, per resolution 55, of 1886		1,500 00	1,500 00	
Shelling Ferry Point road, per resolution 75, of 1886.		200 00	199 07	93
Shelling and graveling Washington road and Bayard street, per resolution 79, of 1886		1,000 00	999 98	02
Shelling Warner and Dock streets, per res. 103, 1886.		300 00	270 66	29 34
Paving Loan, Saratoga street, from Charles to Cathedral street	$3,702 82			
Paving Loan, Liberty street, from Saratoga to Lexington street	5,072 77			
Paving Loan, Cathedral street, from Monument to Madison street	280 92			
Paving Loan, Fish Market space, streets around	4,382 61			
Paving Loan, Northeastern market, streets around	9,099 20			

Paving Loan, Forrest street, at Bel Air market, percentage retained		1,767 15			
Paving Loan, Courthouse lane, percentage retained		101 79			
		$24,407 26			
Paid Register		108 62			
			24,515 88	24,407 26	108 62
Sewer in Necessity alley		$13,668 60			
Less transferred to repairs of sewers, per resolution 189, of 1886	$1,500 00				
Less transferred to gutter, Chase and Valley streets	460 92				
		$1 960 92			
		$11,707 68			
Paid Register		6 20			
			11,713 88	11,076 63	637 25
Sewer in Division and Gold streets		$6,000 00			
Paid Register		13 75			
			6,013 75	5,987 99	25 76
Sewer in Central avenue		$8,926 00			
Paid Register		15 60			
			8,941 60	8,921 86	19 74
Amounts carried forward			$488,884 67	$481,098 18	$7,786 49

TABLE A—Concluded.

ACCOUNTS.		Appropriations.	Amounts Paid	Amounts Undrawn.
Amounts brought forward		$488,884 67	$481,098 18	$7,786 49
Atlas of the city of Baltimore		100 00	25 00	75 00
Inlets to sewer in S Broadway, resolution 41, 1886.		700 00	696 48	3 52
Culvert in Lafayette avenue		3,488 00	3,488 00	
Calvert-street bridge, to paint		1,000 00	1,000 00	
St. Paul-street bridge, to paint		1,000 00	1,000 00	
Gay-street bridge, to paint		350 00	281 12	68 88
Chase-street bridge, to paint		500 00	471 12	28 88
New turntable for draw-bridge		3,200 00	3,200 00	
Calvert-street bridge, repairing floor of		536 00	536 00	
St. Paul-street bridge, repairing floor of		946 26	946 26	
Improving gutters, Charles and Read streets, resolution 78, of 1886		950 00	948 43	1 57
Constructing and continuing sewer in Low street	$7,544 12			
Paid Register	29 48			
		7,573 60	7,392 40	181 20
Sections of sewers in Lanvale street and Edmondson avenue	$10,000 00			
Paid Register	23 33			
		10,023 33	7,547 67	2,475 66

Changing kerb, north end of Eutaw place	300 00	196 50	103 50
Bolton property, removing fence, &c., (transferred from Chatsworth Run sewer,) Ordinance 128, of 1886	300 00	294 64	5 36
Extending gutters, Chase and Valley streets, (transferred from Necessity-alley sewer,) resolution 170, of 1886	460 92	460 92	
	$520,312 78	$509,582 72	$10,730 06

TABLE B.

Showing the amounts required by the City Commissioner's Department, for the year ending December 31, 1887.

On What Account.	Amounts.
Repairs paved streets	$75,000 00
" bridges	7,000 00
" sewers and inlets	10,000 00
" unpaved streets	1,500 00
Flags and stepping-stones	10,000 00
Paving and repaving in front of city property	1,000 00
Paving and repaving "cross-streets"	10,000 00
Salaries	9,000 00
Livery	500 00
Incidentals	50 00
Light-street bridge	2,000 00
Extension of Low-street sewer	1,500 00
Lanvale street and Edmondson-avenue sewers	13,452 37
Inlets to Howard-street sewer, Resolution No. 74, of 1886	350 00
Section of sewer, North avenue and Bruce alley	5,000 00
Maintenance of floor of Calvert-street bridge	536 00
Maintenance of floor of St. Paul-street bridge	946 25
Balance due on turn table for drawbridge	974 85
	$148,809 47

TABLE C.

Statement of Streets, Lanes and Alleys Paved for the year ending 31st December, 1886.

Names of Streets, &c.	Contractors' Names.	No. of Sq. Feet.	Price per Sq Foot.	Date of Contract.	Date of Acceptance.
Cross street, between Columbia avenue and Ramsey street	Jas. P. McGovern.	9,777	5 cents.	May 1, 1886.	June 24, 1886.
Townsend street, between Charles street and Maryland avenue	P. Reddington.	13,784	5 "	April 14, "	June 24, "
Mosher street, between John street and Mount Royal avenue	Thos. F. Locke.	14,117	5 "	April 26, "	July 15, "
Calhoun street, between Baker and Cumberland streets	P. Reddington.	19,324	4¾ "	June 19, "	August 5, "
Bruce alley, between Presstman and Baker streets	Thos. F. Locke.	5,310	5 "	June 16, "	August 13, "
Gold street, between Pennsylvania avenue and Calhoun street	W. R. Weaver & Co.	27,194	4⅝ "	July 30, "	Sept. 2, "
Broadway, between Hoffman street and North avenue	Heffner & Knapman.	116,352	6 "	June 25, 1885.	Sept. 14, "
Fayette street, between Patterson Park avenue and Luzerne street	P. Reddington.	57,388	5½ "	June 5, 1886.	Sept. 15, "
Mount street, between Presstman and Baker streets	Thos. F. Locke.	14,087	5 "	June 5, "	Oct. 15, "
Eden street, between Oliver and Federal streets	W. R. Weaver & Co.	14,555	4⅜ "	Aug. 18, "	Oct. 26, "
Belt street, between Cross and Jackson streets	Jas. P. McGovern.	22,851	5¾ "	June 5, "	Nov. 4, "

TABLE C—Concluded.

Names of Streets, &c.	Contractors' Names.	No. of Sq. Feet.	Price per Sq. Foot.	Date of Contract.	Date of Acceptance.
Oliver street, between Caroline and Eden streets	P. Reddington.	14,256	Private Contract.	Nov. 11, 1885.	Jan. 16, 1886.
Wehage street, between Johnson and Covington streets	Peter D. Della.	8,740	"	Jan. 6, 1886.	April 20, "
Carey street, between Baker and Gold streets	R. E. Diffenderfer.	13,000	"	Feb. 27, "	August 1, "
Rutter alley, between Mosher and McMechin streets	Thos. F. Locke.	3,960	"	July 14, "	August 1, "
Tennant street, between Stricker street and Vincent alley	W. R. Weaver & Co.	6,235	"	Aug. 28, "	Oct. 1, "
Barlow street, between Cross and Stockholm streets	Thos. F. Locke.	6,300	"	Sept. 9, "	Nov. 1, "
Constitution street, between Chase and Biddle streets	Wm. Coburn.	12 660	"	Sept. 17, "	Dec. 11, "
Total square feet		379,890			

TABLE D.

Showing the quantity of Repairs done and materials used on the streets and alleys during the year 1886.

STREETS.	Area in Sq. Feet.	Loads of Sand.	Perches of Stone.	Linear Feet Kerb Reset.
Aisquith street	14,755	220	37¼	
Aliceanna street	19,470	225	58½	
Armory avenue	4,418	34	1	227
Ann street	12,683	166	51	32
Amity street	5,782	63	12½	
Arch street	10,031	94	14½	35
Argyle avenue	1,260	14	2½	
Bond street	70,958	1,131	189¼	158
Barre street	4,740	68	18	
Biddle street	26,238	283	35½	12
Broadway	121,344	1,877	162¼	601
Baltimore street	2,842	40	8½	
Block street	1,310	21	2	
Booth street	7,075	69	12	
Boyd street	4,380	44	3½	90
Bank street	13,301	177	25	
Bath street	3,357	57	6	
Brune street	13,464	156	24½	78
Battery avenue	687	7	1½	
Bethel street	9,875	112	6	
Bloom street	120	2		
Amts carried forward.	348,090	4,860	971¼	1,233

TABLE D—Continued.

STREETS.	Area in Sq. Feet.	Loads of Sand	Perches of Stone	Linear Feet Kerb Reset
Amts. brought forward	348,090	4,860	971¼	1,233
Commerce street	3,449	56	11½	.....
Central avenue	89,357	1,133	160½	21
Concord street	892	5	1	.....
Canton avenue	32,954	299	56	.....
Chase street	13,783	239	22	.....
Castle street	6,169	124	13½	63½
Conway street	7,820	122	10½	.....
Chester street	2,785	47	7	.....
Columbia avenue	1,895	27	3½	.....
Cathedral street	5,844	68	10½	133
Caroline street	7,737	112	14¼	.....
Centre street	185	3	1	70
Carey street	64,698	895	88	297
Cross street	6,767	88	10½	75
Camden street	178	1	.....	.....
Constitution street	13,134	277	43	47
Charles street	4,580	55	5½	.....
Calhoun street	35,870	579	74½	.....
Cairo street	3,720	57	5½	.....
Covington street	3,710	38	8½	.....
Chesnut street	3,695	70	.....	20
Carrollton avenue	17,100	252	37	142
Druid Hill avenue	8,483	105	11½	.....
Dover street	320	4	1	.....
Davis street	2,558	27	4	.....
Dolphin street	2,273	24	4	.....
Dock street	1,205	17	2½	.....
Amts. carried forward.	689,251	9,584	1,578	2,101½

TABLE D—Continued.

STREETS.	Area in Sq. Feet.	Loads of Sand.	Perches of Stone.	Linear Feet Kerb Reset.
Amts. brought forward	689,251	9,584	1,578	2,101½
Dallas street	13,275	136	8	
Division street	3,504	60		106
Eutaw street	77,785	1,106	193	
Eastern avenue	28,907	387	59¼	
East Falls avenue	8,265	83	21	
Eden street	7,898	110	18¾	
East street	20,458	341	68½	
Exeter street	17,293	196	23½	12
Edmondson avenue	11,049	186	27	419
Eager street	56,301	1,191	148¾	275
Eagle street	2,712	37	2½	
Etting street	3,584	35	1½	
Ensor street	19,840	447	40	
Fayette street	19,850	231	26	215
Front street	6,556	66	13½	
Fremont street	35,109	535	69	
Fawn street	415	3	1	
Fulton avenue	3,816	48	2	
Franklin street	14,672	512	89½	124
Fell street	9,023	123	18	
Fort avenue	1,136	6	4	229
Greenmount avenue	4,171	72	11¾	
German street	7,803	91	29½	134
Grant street	500			
Garden street	3,134	44		
Gough street	42,794	558	144½	261½
Gist street, or Patterson Park avenue	11,960	128	18	
Amts. carried forward	1,121,061	16,306	2,702½	3,877

TABLE D—Continued.

STREETS.	Area in Sq. Feet.	Loads of Sand.	Perches of Stone.	Linear Feet Kerb Reset.
Amts. brought forward	1,121,061	16,306	2,702¾	3,877
Granby street	6,788	73	17	
Gilmor street	18,936	308	30	409
Gay street	3,053	34	1½	
Hoffman street	46,462	845	128¼	
Howard street	29,859	420	61½	
Hanover street	23,869	360	33	
Hawk street	4,261	74	21	
Hollins street	506	9	2	
Holliday street	11,657	219	32½	
Harlem avenue	9,759	155	15½	50
High street	6,728	118		31
Harford avenue	1,353	17	5½	42
Holbrook street	4,532	71	8½	
Hollingsworth street	1,219	21	2	
Hamburg street	2,823	36	3	
Hillen street	2,379	24	4	
Haubert street	8,583	103	16½	85
Hull street	1,229	13	1	
Johnson street	23,651	203	22¼	
Jefferson street	11,000	88	9	
Jackson street	2,445	29	6	
Keyser street	1,363	25	4½	
Light street	18,088	252	52	
Little Montgomery st.	98	1	½	
Lancaster street	14,656	174	33	
Lombard street	33,016	408	65½	497
Leadenhall street	10,612	142	13¼	
Amts. carried forward	1,419,986	20,538	3,205¼	5,019

TABLE D—Continued.

STREETS.	Area in Sq. Feet.	Loads of Sand.	Perches of Stone.	Linear Feet Kerb Reset.
Amts. brought forward	1,419,986	20,538	3,205¼	5,019
Lexington street	34,501	518	71¼	.....
Linden avenue	6,904	74	.....	.....
Lanvale street	19,201	305	44¾	287
Laurens street	1,271	15	2	.....
Mill street	10,374	130	28	.....
McKim street	2,888	39	5¼	.....
Madison street	60,104	1,044	194½	.....
Maryland avenue	1,031	13	2½	.....
Montgomery street	2,900	34	4	.....
Monument street	28,575	439	66	.....
Mulberry street	5,403	54	18	.....
McCulloh street	2,470	27	.....	86
Myrtle avenue	25,255	378	70	98
Mount street	2,553	35	4½	.....
McMechen street	1,162	18	2½	.....
Marriott street	2,075	29	10½	128
Mullikin street	8,390	131	16	179
Milliman street	2,100	31	1	150
McElderry street	9,545	99	7	17
Mosher street	5,816	70	12	.....
North street	5,103	100	18¾	.....
Oliver street	2,695	50	8¼	48
Orleans street	9,745	125	18½	.....
President street	22,954	263	69	.....
Pennsylvania avenue	7,267	104	.....	148
Penn street	15,657	200	6	1,600
Poppleton street	24,604	229	32½	138
Amts. carried forward	1,750,229	25,092	3,888	7,898

TABLE D—Continued.

STREETS.	Area in Sq. Feet.	Loads of Sand	Perches of Stone.	Linear Feet Kerb Reset.
Amts. brought forward	1,750,229	25,092	3,888	7,898
Pine street	51,344	716	129½	42
Pratt street	31,352	428	54	482
Preston street	20,749	363	43¾	
Patterson street	2,507	17	2	
Philpot street	11,992	125	29	
Perry street	3,310	35	5	
Park avenue	1,440	18	3½	
Ridgely street	9,817	180	22	
Race street	1,017	19	2	
Richmond street	3,157	37	8½	
Regester street	573	4	1	
Ramsey street	32,272	529	42	267
Rock street	2,430	50	7½	
Read street	1,414	18	2	
Raborg street	1,370	20	3½	
Stockholm street	4,815	60	9	
Second street	649	14	2	
St. Paul street	14,134	276	40¼	
Stiles street	3,530	41	7	
Saratoga street	10,420	229	29½	75
Sharp street	3,980	63	7	81
Schroeder street	16,094	233	18	
St. Joseph street	1,264	24	3	
St. Peter street	2,592	31	3	
Townsend street	17,726	340	60¼	
Tessier street	602	3		
Thames street	2,007	22	7	
Amts. carried forward	2,002,786	28,987	4,429¼	8,845

TABLE D--Continued.

STREETS.	Area in Sq. Feet.	Loads of Sand.	Perches of Stone.	Linear Feet Kerb Reset
Amts. brought forward	2,002,786	28,987	4,429¼	8,845
Vine street	1,000	25	2	
Woodyear street	6,725	81	11½	15
Wolfe street	9,156	141	17¾	
West street	11,050	145	22½	52
Warner street	10,547	152	26½	
Weber street	3,993	39	6	
Washington street	564	9	2	
Watson street	5,686	93	17¾	
Wilkins avenue	14,495	178	31	
Washington avenue.	3,880	59	7½	73
Waesche street	661	8	1	
William street	1,851	16	2½	
Wilson street	135			24
York street	21,642	330	55½	139
	2,094,171	30,263	4,632¾	10,148

TABLE D—Continued.

Showing the Quantity of Repairs done and Materials used on Lanes and Alleys during the year 1886.

LANES AND ALLEYS.	Area in Sq. Feet.	Loads of Sand.	Perches of Stone.	Linear Feet Kerb Reset.
Abbey's alley	4,853	49	5½	
Baker's court	7,637	107	14	
Bolton alley	1,168	15	1	
Brewer alley	2,628	35	4½	
Burgundy alley	3,470	43	2	
Callender alley	500	7	½	
Chapel alley	1,074	23	5	29
Chesnut alley	3,532	58	8	
Durst alley	3,931	43	4	
Exchange alley	1,311	19	2	
Forbes alley	1,200	14	1	
Guilford alley	976			122
Hargrove alley	1,661	28	3½	
Holland alley	1,314	20	2½	
Jews alley	1,820	15	5½	23
Jenkins' alley	400	6	2	
Knox's court	850	12	1½	
Little Gough street	3,021	40	10	
Lemon alley	13,163	153	15½	39
Lovegrove alley	564			
Mason alley	6,386	84	6½	
Morris alley	40			
Amts. carried forward.	61,499	771	94½	213

TABLE D—Continued.

LANES AND ALLEYS.	Area in Sq. Feet.	Loads of Sand.	Perches of Stone.	Linear Feet Kerb Reset.
Amts. brought forward	61,499	771	94½	213
Morton alley	2,641	.....	.....	.....
Mulberry alley	3,583	60	10½	.....
N alley	418	10	.....	118
Necessity alley	6,976	134	.....	161
Plum alley	10,366	126	23	.....
Quay alley	1,118	12	2	.....
Rose street	480	15	2	.....
Saulsbury alley	4,361	39	11	.....
Scrabble alley	389	9	4	10
Smith alley	3,150	40	11	.....
Stockton alley	2,925	34	7½	90
Stoddard alley	800	7	3	.....
Union alley	875	4	14	.....
Walnut alley	5 950	81	25	.....
Wayne alley	10,215	193	26	.....
Welcome alley	5,264	73	8½	58
Williamson alley	1,080	9	1	.....
Wine alley	1,150	11	4	.....
X alley	4,615	67	4	343
	127,855	1,695	251	993

TABLE D—Concluded.

Grand Total Quantities of Repairs in Streets and Alleys.

	Area in Sq. Feet.	Loads of Sand.	Perches of Stone.	Linear Feet Kerb Reset
Streets	2,094,171	30,263	4,632¾	10,148
Alleys	127,855	1,695	251	993
	2,222,026	31,958	4,883¾	11,141

TABLE E.

Showing quantity and cost of work done by Superintendents of Street Repairs.

SUPERINTENDENTS.	Square Feet Paved.	Linear Feet Kerb Reset.	Perches of Stone.	Loads of Sand.	Cost.
John Fitzpatrick	169,624	1,491	269	2,169	$4,808 24
P. M. Holbrook	198,620	1,608	360	2,827	5,746 09
John L. Brown	186,101	1,328	237¼	2,279	5,384 92
R. W. Keily	190,056	1,476	486	2,564	5,599 34
Moses Egan	182,335	....	351½	2,544	5,274 78
Jas. J. Larkin	182,446	522½	401	2,976	5,279 18
W. H. Lennon	195,777	658	627	4,052	5,664 79
Geo. E. Weaver	183,864	1,359	488½	3,375	5,314 66
H E. Schnieder	200,401	793½	564	3,219	5,798 64
E. J. Stapleton	176,970	501	424	1,940	5,119 78
Jos. Schoenig	171,454	1,029	191½	1,731	4,960 16
Thos. Kavnaugh	184,358	375	484	2,282	5,334 47
	2,222,026	11,141	4,883¾	31,958	$64,285 05

TABLE F.

Showing the Revenue received in the City Commissioner's Department for the year ending December 31, 1886.

On What Account Received.	Amounts
Vaults and areas	$916 20
Public printing	208 00
Repairs sewers	2,893 84
Repairs paved streets	705 62
Repairs bridges	9 00
Improvement of Jones' Falls	279 14
Light-street bridge	22 53
Chatsworth Run sewer	2 50
Paving Loan of 1920	108 62
Necessity-alley sewer	6 20
Division-street sewer	13 75
Central-avenue sewer	15 60
Low-street sewer	29 48
Lanvale-street sewer	23 33
	$5,233 81

REPORT

OF THE

JONES' FALLS COMMISSION.

REPORT.

BALTIMORE, January 1, 1886.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

The work on the improvement of Jones' Falls has been prosecuted during the year, under the supervision of C. H. Latrobe, engineer to the commission, and his report, which is annexed, goes into detail as to the points at which the gangs have been employed, with the character of the work done, the cost of the same in general and in detail and the suggestions he makes are worthy of the careful consideration of the Mayor and City Council.

We are respectfully,

JAMES HODGES,
Mayor.

A. E. SMYRK,
City Commissioner.

Jones' Falls Commission.

ENGINEER'S REPORT.

BALTIMORE, December 31, 1886.

HON. JAMES HODGES, *Mayor*,
A. E. SMYRK, *City Commissioner*, } *Jones' Falls Commission.*

GENTLEMEN:

Please find below my report of work done during the year 1886 in the improvement of Jones' Falls. In view of the low condition of the available funds to the credit of the commission, and in accordance with a resolution passed on November 14, 1885, by the commission, only one regular force, No. 2, under P. C. O'Donnell, was at work at the opening of the year 1886. This force was employed below Fayette-street bridge, east side. We also had a few men engaged in finally adjusting Biddle-street bridge under H. Traylor. Early in February an ordinance was passed making available for use $200,000 more of the Jones' Falls fund. The Mayor, having signed the ordinance on February 17th, steps were taken to dispose of $50,000 of the stock, and on March 22d, forces No. 4, Nos. 6 and 7 were again started on the upper falls, Nos. 6 and 7, between St. Paul street and Lovegrove alley, and No. 4, between North and Calvert. On March 24th, force No.

2, having finished up the wall south of Fayette-street bridge, began preparations to move away, and on April 14th resumed operation north of Biddle-street bridge, east side, as force No. 10—the right to build having been obtained from Mr. Francis White and the estate of Vickers.

On May 28th, force No. 6, having completed its section of the wall west of St. Paul street, was removed to the east bank of the falls at Preston-street bridge and put to work there.

On July 30th, force No. 7 completed its section of wall west of St. Paul street to a junction with the wall built by No. 6, and was then employed in filling in and grading the property embraced by the new wall, and which was to be made into Sunken Garden No. 2.

On August 18th the condemnation proceedings in relation to the property on east side of falls above Fayette-street bridge having been completed, St. Vincent's school, Lindeman, and other owners, were notified to quit the premises; and on August 29th, force No. 7, now called No. 1, under Traylor, began work in the rear of St. Vincent's school, and have nearly reached Fayette-street bridge at this date.

Force No. 4, under Wallace, which began work on March 22d, between North and Calvert streets, finished to a junction with Calvert-street bridge abutment on October 23d, and was transferred to the west bank of falls at Preston-street bridge, and is now rated as force No. 12.

On September 6th, force No. 11 was organized to grade and put in shape Sunken Garden No. 2, between

St. Paul street and Lovegrove alley. At this date the garden is entirely graded, most of the beds in shape, the guard fence up nearly all the way, the sodding nearly completed and one hedge row set out along the new wall. As the weather is now very unfavorable, work has been suspended until spring. What remains to be done is some sodding, hedging, planting, and the granite work.

On May 1st all the stone-masons, to the number of eight, struck for nine hours per diem and $3.50; as no masons were to be had, on May 10th the point was yielded and the men went to work. To meet the exigencies of the case the force of masons was reduced from eight to five, who are moved from point to point as needed.

On April 22d, the granite pedestals were put in place at ends of Biddle-street bridge. Advertisements were issued July 23d for "proposals" for building a new iron bridge at Charles street, and on August 4th the work was let to the Columbian Iron Works for $32,730, they being the lowest bidders. Owing to an unexampled delay in getting the iron here, and to the fact that I have had a great deal of trouble with the quality of it, the work has progressed very slowly, and at this date is not over half ready for erection. I have had to condemn all the rivets brought here for the work, and much work has had to be done over again. Since the travel over the old bridge has increased so much, I have felt a little anxious as to its safety and have made every preparation to trestle it up, probably, this month.

On August 16th A. L. Barber & Co., began the resurfacing of St. Paul street and parts of Calvert-street bridges, under their contract of maintenance, for which they are paid so much per square yard per annum—on St. Paul 20 cents per square yard, on Calvert 15 cents. Both floors were thoroughly repaired and are now in good condition.

The characteristics of the work executed during 1886, are as follows: Above and below Fayette-street bridge the wall is built on a piled platform, the piles being driven from ten feet to twelve feet into the bed of the stream, cut off and floored over below ordinary low water; upon this the masonry is laid, and as the wall is thin, it takes but very little backing. In the rear of this wall, whenever the property owners are willing to pay for it, additional piles are driven and capped to carry the back walls of the buildings, as no construction is allowed to rest on the city wall. Between St. Paul street and Lovegrove alley the foundation was everywhere on the decomposed rock, which has proved entirely reliable; these foundations were carried deep so as to insure safety from scour, which has been going on along here ever since the removal of the Belvidere dam in 1882.

Between Calvert and North streets the wall stands everywhere, with the exception of a short distance, on solid rock, which required a good deal of blasting in places. This is the heaviest wall built during 1886, and contains a large amount of Masonry. Between

Preston and Biddle streets, where three of our four regular forces are stationed at this time, the walls are all on solid rock and the foundations have to be blasted into shape all over. In all, the work between St. Paul street and Lovegrove alley, as well as a portion of that east of Calvert street, also on that above Fayette-street bridge, we have used steam pumps from necessity to keep the water out of the foundation. On the upper falls one of our principal troubles, and a very heavy item of expense, is the immense amount of excavation necessary to obtain foundation on the proper lines; everywhere the banks of the falls have been used for a dumping ground for many years, until the stream itself is encroached on. This material must be moved out of the way and then put back behind the walls, that is, twice handled. We have had three accidents to derricks during the year, two purely accidental, one due to stupidity; no one has been hurt.

We have continued to use the Cockeysville limestone for face stone, and Jones' Falls stone for backing; the supply has been pretty regular, but at times we have had to wait. We have used Cumberland cement throughout the year. Our force has varied from 55 to 70 hands, and all the work has been done by the day at city rates. During February we had the usual amount of high water, but no damage was done to the works, and nothing more occurred than the usual flooding of Harrison street.

Statement of Work done upon the Support Walls along the line of Jones' Falls during the year 1886.

No. of Gang.	Linear Ft. of Wall Built.	Cubic Yds. of Masonry.	No. of Piles.	No. Ft. B. M. Lumber.	Total Cost.	Cost Per Cu. Yard.
	Ft. In.					
No. 1....	145 6	293.91	98	3,815	$6,365 37	$21 66
No. 2....	67 0	135.34	46	1,771	4,482 30	33 11
No. 3....	82 0	857.74			11 221 08	13 08
No. 4....	147 5	2,266.10			20,970 87	9 25
No. 6....	37 9	376.74			4,375 49	11 61
No. 7....	87 10	955.76			9,414 12	9 88
No. 10....	198 1	1,557 81			16,358 49	10 50
No. 12....		237.88			2,435 44	Not complete.
Totals..	765 7	6,681.28	144	5,586	$75,653 16	$11 32

Statement of Amount and Cost of Work from average date June 15, 1881.

No. of Gang.	Linear Ft. of Wall Built.	Cu. Yards of Masonry.	No. of Piles.	No. Ft. B. M. Lumber.	Total Cost.	Cost Per Cu. Yard.
	Ft. In.					
No. 1....	904 10	2,322.51	878	27 615	$45 434 25	$19 56
No. 2....	1,720 2	4 195.93	1 368	41,994	86 805 38	20 68
No. 3 ..	1,027 1	10,914.72			125.485 39	11 49
No. 4....	635 5	7,878.84			79,148 73	10 04
No. 5 ..	279 2	2,496.74			26 608 00	10 65
No. 6....	301 3	2,536.50			30,775 56	12 13
No. 7....	190 2	1,830.31			20,104 55	10 98
No. 10....	198 1	1,557.81			16,358 49	10 50
No. 12....		237.88			2,435 44	
Totals..	5,256 2	33,971 24	2,246	69,609	$433,155 79	$12 75

As will be seen from the foregoing statement, the average cost of the 6681.28 cubic yards of masonry put up during the year 1886, is $11.32 per cubic yard, whilst the average cost per cubic yard of the 33,971.24 cubic yards put up since June 15, 1881, at which time I took charge of the work, is $12.75 per cubic yard.

The fact that this price covers all foundations, excavations and back fillings, which have been very heavy, and that it has all been done by the day at city wages, which are 33 per cent. higher than outside wages, together with the fact that the character of the work cannot be surpassed for its purpose, proves the price to be very moderate. The face of the walls is entirely cut stone; the backing is heavy rubble. The proportion of cut stone to the entire mass varies with the size of the wall, and is as follows:

Table of percentage of cut stone in each section of support wall, constructed during 1886.

Lower falls, by force		No. 2	 83	per cent.
"	"	"	1 70	"
Upper falls	"	"	3 42	"
"	"	"	6 42	"
"	"	"	4 38	"
"	"	"	7 34	"
"	"	"	10 36	"

It will be seen that the walls on the lower falls are the most costly, due to several causes, viz: The foundations are on piles; the walls are very light and nearly all cut stone; the time occupied in setting up and taking down derricks is very great, in so densely built up a region, and the delay and loss from floods is often great; also the restoration of the premises, after completing the wall, is a serious expense in some cases.

The amount of money disbursed as wages to the men during 1886 is $35,248.12, and the total amount disbursed as wages since June 15th, 1881, is $183,480.90.

An analyzed statement of expenditures on Jones' Falls Improvement during 1886.

For the building of the new support walls..	$75,653	16
" " completion of the new iron bridge at Biddle street.....	3,634	51
" " completion of sunken park No. 1, between St. Paul and Calvert streets	2,100	62
" work done upon sunken park No. 2, between St. Paul street and Lovegrove alley	3,873	53
" payment of land damages by condemnation awarded owners on lower falls.	8,981	25
" expenses of advertising.....	273	75
" engineering pay-rolls for 1886	4,599	86
" office expenses, including rent.....	476	15
" guard rail on walls adjoining Biddle-street bridge	182	28
" making gas pipe connections at Biddle-street bridge.....	20	64
" amount paid watchmen and laborers during suspension of active work on falls, from December, 1885, to March 22, 1886.....	392	89
" sundry miscellaneous expenses	63	32
" purchase of new equipment during year 1886.....	532	97
" amount paid because of the excess of cost of painting the St. Paul and Calvert-street bridges, over and above		
Amount carried forward.....	$100,784	93

Amount brought forward		$100,784 93
the amount of the special appropriation made therefor by the Council—		
St. Paul	$ 76 13	
Calvert	676 13	
		752 26
Total net expenditures		$101,537 19

Statement of Expenditures balanced by Vouchers, &c.

Total vouchers issued 1886		$101,126 81
Estimated value of equipment at beginning of year 1886	$10,064 20	
Value of purchases on equipment during year 1886	532 97	
Total equipment	$10,597 17	
Present estimated value of equipment	9,943 40	
Net loss by wear and tear		653 77
Total gross expenditures		$101,780 58
Less amount cash receipts, as follows:		
For rebuilding foundation walls for owners along rear of new support walls	$163 09	
" sale of old junk	34 40	
" use of test machine	45 90	
		243 39
Total net expenditures		$101,537 19

The voucher account may not agree accurately with the Jones' Falls Improvement Account in the City Commissioner's office, or in the Comptroller's office; as in the Engineer's office, we can only approximate the exact limits of the calendar year, being obliged to stop at that point which will enable us to analyze the cost of the work. Should the work be suspended completely for 30 days, all the statements would agree. Below please find a statement of the value of our plant and equipment, and its distribution to the different forces.

Value of Plant and Equipments, and its distribution to the different forces, December 1, 1886.

With gang No. 1 on lower falls near Fayette street	$2,593 75
With gang No. 3 on upper falls near Preston street	2,150 80
With gang No. 10 on upper falls near Biddle street	2,420 70
With gang No. 12 on upper falls near Preston street	2,649 15
With gang No. 11 at park, west side of St. Paul-street bridge	129 00
Total	$9,943 40

The above includes 4 hoisting engines and boilers, 2 pumping engines and boilers, 2 Heald & Sisco rotary pumps, 4 large stone derricks with wire guys, 2 pile drivers with hammers, and a large variety of smaller tools, &c., all in excellent order.

Dredging.

The council having appropriated $20,000 for the purpose of dredging out Jones' Falls above Canton-avenue bridge, on April 21st a contract was entered into with the "Baltimore Dredging Co." to do the work, at the rate of 39 cents per cubic yard. The work continued steadily until November 24th, when it was suspended on account of the exhaustion of the appropriation.

On December 1st, however, through the efforts of the City Commissioner, an arrangement was made with the Council Committee of Ways and Means, who recognized the importance of the work, and agreed to provide for its extension to the amount of $12,000; the commissioner has thus been enabled to prosecute the work to the close of the year, and will continue, as occasion offers during the winter, to push it forward to the extent of the fund above named. It is well to state, in connection with this subject, that at the close of 1885, due to the fact that the contractor failed to do the amount of work provided for during 1885, a balance of $4,280 30 was covered back into the treaury, thus crippling the appropriation of $20,000 for 1886 to that extent, so that in fact the "Ways and Means Committee" have only agreed to furnish $7,719.70 over and above what lapsed from want of use to the close of 1885. Below will be found a table showing how the appropriation was disbursed.

Tabulated Statement of the Work of Dredging Jones' Falls during 1886.

Amount of appropriation for 1886.			$20,000 00
Expenditures:			
On account material dredged under contract with Thomas P. Morgan	$3,743 74		
Pay-roll of inspection on same	452 80		
Total	$4,196 54		
On account material dredged under contract with Baltimore Dredging Co	14,505 12		
On account material removed by Harbor Board	384 82		
On account advertising for proposals	5 00		
On account pay-roll of inspectors.	908 52		
Grand total	$20,000 00		$20,000 00

Value of work done under authority of the "Ways and Means Committee" to date, and for which no vouchers are as yet issued, $2,268.25.

The amount of work done during 1886, under the contract with the Baltimore Dedging Company, has been	38,601 29	Cubic yards.
By the Harbor Board, below Canton-avenue bridge, and paid for by us	3,212 00	"
Total amount since resumption	4,015 87	"
Total	45,829 16	"
Previously removed under the Morgan contract, 1885 and 1886	27,715 44	Cubic yards.
Total, 1885 and 1886	73,544 60	"

The dredge has reached Pratt-street bridge, where a large basin has been dredged out to receive the silt from above, during floods, and to prevent it spreading below. At present the dredge is laid up on account of ice.

The depth of water on December 1st was as follows:

Between Aliceanna and Canton avenue.....13 feet.
Between Canton and Eastern avenue.....12 "
Between Eastern avenue and Pratt street....12 to 9 feet.

This work should be vigorously pushed as far as Fayette-street bridge, and possibly half way to Gay street, although I am of the opinion that the bottom will lower by scouring if the dredge is carried well up to Fayette street and a basin dug there. I think we are paying a high price for the work at 39 cents, and I am not in favor of confining the bidding to Baltimore parties, as there is always a danger of *pooling* against the city. I am also in favor of having the work done under the harbor board, as economy would surely result.

Tracings of the walls erected during the year 1886 are herewith handed in, and with the tracings of the work of the former year, make a graphic history of the progress of the work since June 15, 1881.

Please find below a statement of the condition of the "Jones' Falls improvement fund:"

Total authorized issue of the City Stock	$2,500,000 00
Amount carried forward.....	$2,500,000 00

Amount brought forward..... ...		$2,500,000 00
Issued at 6 per cent.....	$800.000	
Issued at 5 per cent..... ...	957,000	
Issued at 3.65 per cent.	320,000	
Issued at 3 per cent.	100,000	
		2,177,000 00
Balance unissued..		$323.000 00
Cash on hand December 31, 1886..		39,594 58
Total available.....		$362,594 58

There still remains $80,000 of stock authorized by Ordinance of Council and unsold.

Please find below a statement as to the condition of the bridges, designed and built by me since I took charge of the improvement.

City Dock Drawbridge.

This structure is now in excellent order. During the past summer H. A. Ramsay & Son, under their contract, removed the old and put in place the new turntable; several minor improvements were made at the same time. As the appropriation was too small to pay for this work in full, the balance due will have to be provided for this year.

Pratt-Street Bridge.

This bridge is in excellent order, although I regret to see its beautiful floor torn up to lay down five rails instead of two as formerly.

Gay-Street Bridge.

This bridge has been repainted and is in good condition.

Chase-Street Bridge.

This bridge has been thoroughly cleaned and painted this year, and is in good condition.

Biddle-Street Bridge.

This bridge is in excellent order.

North-Street Bridge.

Nothing is required but to keep the wooden floor in repair.

Calvert-Street Bridge.

The structure has been thoroughly repainted and its floor repaired.

St. Paul-Street Bridge.

The under side of this bridge has been well painted this year, and the asphalt floor relaid.

There will be required for 1887, to pay maintenance contracts for asphalt floors—

For Calvert-street bridge.....$536 00
For St. Paul-street bridge..... 946 26

These amounts are obligatory on the city.

The Sunken Gardens.

No. 1, between Calvert and St. Paul street, has been finished some time; No. 2, between St. Paul street and Lovegrove alley, is approaching completion; No. 3, between Calvert and North streets, is now being filled in. The plans are all made, but nothing can be done towards shaping it up until spring. When this chain of gardens is complete, and Hoffman street widened into Mount Royal avenue, this vicinity will be a favorite place for residences. The delay in widening Hoffman street is keeping back improvements very much, as the owners of property are awaiting events. I would again suggest that the care of sunken garden be turned over to the Public Park Commission.

As stated earlier in the report, I propose to trestle up Charles street bridge within a month, to guard against any possible accident pending the preparation of the iron work for the new bridge. In connection with this matter, I would state that the trusses of the old bridge might be used again somewhere if the service was light, if not, we will sell the material for junk, as was done with the other old bridges along the falls. The Northern Central Railroad Company will await the rebuilding of our bridge before they rebuild theirs, so as to avoid too much obstruction of the street.

Future Scope of the Improvement.

The work laid out at present will be completed when the support walls are finished on both sides of the falls,

between Biddle and Preston streets. The next in order would be the wall north of Preston street, on both banks—that on the east bank to include a masonry outlet to Jenkins' Run, which run should be covered in by special appropriation as soon as possible, so that it may be covered up and built upon. It is only proposed to carry the wall along private property, as it seems to me entirely beyond the scope and intention of the improvement to wall up the property of the Northern Central Railway; so that a continuance of the walls above Preston street to the verge of the Railroad Company's property, together with what is already built above and below, will complete the improvment to Charles street, which is its limit. On the lower falls I think that, when we finish at Fayette street, we will have completely finished for the present. It is possible that in the march of improvement, old buildings which now rest upon the old walls will be pulled down, in which case the owners may ask the city to rebuild the wall.

Result of the Improvement.

I think the wisdom of building the bridges, extending the walls up the stream to Charles street, and the formation of the sunken gardens, is very apparent in the rapid development of the adjoining property, and nothing but the settlement of the question of the widening of Hoffman street into Mount Royal avenue is needed to fill all the vacant lots with handsome houses.

Before closing, it gives me pleasure to acknowledge the faithfulness of all my assistants, foreman and employees, who are now a well trained and steady body of men.

Respectfully submitted,

C. H. LATROBE,

Engineer Jones' Falls Commission.

ANNUAL REPORT

OF THE

CITY COLLECTOR,

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31st, 1886.

REPORT.

TAX DEPARTMENT,

CITY COLLECTOR'S OFFICE—CITY HALL.

BALTIMORE, January 10, 1887.

To the Honorable the Mayor
and City Council of Balttmore:

GENTLEMEN:

The illness of Mr. Saml. P. Thompson, late City Collector, beginning on the 1st and terminating fatally on the 8th inst., imposes upon me the duty of submitting for your consideration, a statement of the operations of this Department for the fiscal year ending December 31, 1886.

The amount received from all sources during the year was $4,836,281.94.

On the levy of 1883—present basis $242,751,997—the total collections amount to $99\frac{93}{100}$ per cent.

On the levy of 1884—present basis $245,693,582—the total collections amount to $99\frac{88}{100}$ per cent.

On the levy of 1885—present basis $250,038,052—the total collections amount to $97\frac{93}{100}$ per cent.

On the levy of 1886—present basis $187,918,451—the total collections amount to $73\frac{33}{100}$ per cent.

On the levy of 1886—basis $256,240,655—the collections from May to December 31, 1886, amount to $73\frac{38}{100}$ per cent.; deducting amount of plant, $1,983.522, exempt from city taxation, makes the percentage collected, $73\frac{91}{100}$.

Table A shows the monthly collections of both city and State taxes for the fiscal year, amounting in the aggregate to $4,836.281.94 Of this sum, the city's proportion was $4,406,670.68, and the State's, $429,611.26.

Table B gives the basis of various levies on which collections have been made during the past year, with the amount collected on each levy; also, the gross amount received for opening, closing and widening streets and alleys, and for paving streets, &c.

By this table it will be seen that there has been collected:

On account of taxes in arrears	$1,059,851 65
On account of levy of 1886	3,194,613 61
For opening, closing, widening streets, &c.	73,462 52
For grading and paving streets and alleys.	78,742 90
Total collections for the city	$4,406,670 68

Table C shows the rate of tax per one hundred dollars, and the various items of the several levies, from 1882 to 1886, inclusive.

Table D is an exhibit of the monthly receipts on the several levies, from 1882 to 1886, inclusive; also, of the

receipts for opening and closing streets and alleys, and for paving streets and alleys.

Table E exhibits the amounts collected during the past year, in accordance with the rates as shown in Table C, divided into separate items forming each levy; also, the amounts of interest received on account of taxes in arrears, and the amount of discount allowed for the prompt payment of the taxes of 1886.

Table F shows the basis, the basis collected upon, and the percentage collected within each year, on levies of 1880, 1881, 1882, 1883, 1884 and 1885, to December 31st of each year; also, the levy of 1886, from date of levy to December 31, 1886, and on levy of 1885, to December 31, 1886.

Table G shows the percentage collected monthly, from January 1, 1886, to May, 1886, on levy of 1885, and on the levy of 1886, to December 31, 1886, inclusive.

Table H gives the receipts for paving streets and alleys, during the past year, amounting to $78,742.90.

Table I gives in detail the receipts for opening, closing and widening streets and alleys, from January 1 to December 31, 1886, amounting to $73,462.52.

It was the intention of the late City Collector, in submitting his report, to enter fully into the discussion of certain questions affecting the collection of taxes; such, for instance, as the abrogation of all discounts for prompt payment of real and personal bills; the expediency of repealing the ordinance authorizing the exemption of "plant" from city taxation; payment of bills in

semi-annual instalments, instead of in full, as at present; and the imposition of penalties for delinquency. The opinions held by him were strengthened by investigation into systems in vogue in, and in consultation with officials of other cities. With some of his views I fully coincided; from others I dissented. Several of the changes contemplated would have required legislative enactment to make them operative, and opposition provoked on the part of the public to others, because of the radical change from the system now existing. He had given the several subjects careful consideration, and I am persuaded would have presented his conclusions in a lucid and forcible manner.

I submit these remarks in simple justice to the late Collector, who entered upon the discharge of his duties with a full appreciation of the responsibilities resting upon him; an earnest desire to perform them honestly and intelligently; to guard the interests of the corporation, and to extend to taxpayers, the small as well as the great, every consideration to which they are entitled.

An all-wise Providence called him hence, ere his hopes and aspirations were realized.

I have the honor to be,

Very respectfully,

J. T. M. BARNES,

Deputy City Collector.

TABLES.

TABLE A.

Total City and State Taxes received from January 1, 1886, *to December* 31, 1886, *inclusive.*

1886.	CITY.	STATE.	TOTAL.
January	$596,595 96	$60,562 95	$657,158 91
February	134,451 48	14,087 23	148,538 71
March	27,643 57	2,684 29	30,327 86
April	31,096 28	2,753 39	33,849 67
May	1,194,023 44	88,368 98	1,282,392 42
June	1,162,754 67	113,461 30	1,276,215 97
July	179,855 99	18,932 95	198,788 94
August	125,763 62	26,743 30	152,506 92
September	165,201 57	18,870 83	184,072 40
October	176,664 39	19,311 71	195,976 10
November	222,609 05	22,581 48	245,190 53
December	390,010 66	41,252 85	431,263 51
	$4,406,670 68	$429,611 26	$4,836,281 94

TABLE B.

Recapitulation of Taxes collected from January 1, 1886, *to December* 31, 1886, *on Levies of* 1882, 1883, 1884, 1885 *and* 1886.

	Basis.	Rate per $100.	Tax.	Discount.	Net Tax.	Interest.	Total, including Interest and Discount.
1882.....							
Real.....	$ 23,992	137	$ 328 69	.....	$ 328 69	$ 60 95	$ 389 64
Personal..	12,548	137	171 91	.....	171 91	33 34	205 25
1883.							
Real	253,620	150	3,804 30	.....	3,804 30	545 91	4,350 21
Personal...	157,213	150	2,358 19	.....	2,358 19	351 90	2,710 09
1884.							
Real	4,288,960	160	68,623 34	.....	68,623 34	4,852 52	73,475 86
Personal...	660,050	160	10,560 78	.....	10,560 78	891 11	11,451 89
1885.							
Real.....	53,271,778	160	852,347 63	.....	852,347 63	11,917 56	864,265 19
Personal...	6,388,095	160	102,209 50	.....	102,209 50	794 02	103,003 52
	$65,056,256				$1,040,404 34	$19,447 31	$1,059,851 65

1886.								
Real.....	$140,559,177	170	2,389,505 98	$52,510 59	2,336,995 39	... .	2,389,505 98
Personal...	47,359,274	170	805,107 63	50,432 28	754,675 35	....	805,107 63
	$187,918,451			$102,942 87	$4,132,075 08	$19,447 31	$4,254,465 26
	$252,974,707						
Opening, closing and widening streets and alleys							73,462 52
Paving streets and alleys.....							78,742 90
							$4,406,670 68

TABLE C.

Rate of Tax per Hundred Dollars.

	1882	1883	1884	1885	1886
Police Department	24	24	26	24	28
Certain Expenses	8	8	9	9	9
Public Schools	16	18	19	23	23
City Poor	6	8	7	9	8
City Direct	53	58	64	61	69
Miscellaneous Stock	30	30	31	27	27
Opening Streets	.....	4	1	5	4
Water Tax	....	....	3	2	2
	137	150	160	160	170

TABLE D.

Monthly Receipts of Taxes on the several Levies from 1882 to 1886, inclusive, for Opening, Closing and Widening Streets and Alleys, and for Paving Streets and Alleys, from January 1, 1886 to December 31, 1886, inclusive

	1882.	1883.	1884.	1885.	1886.	Opening Str'ts and Alleys.	Paving Streets and Alleys.	Total.
January		937 43	27,376 62	536,397 23		$549 31	$31,335 37	$596,595 96
February	350 92	1,301 38	29,471 27	89,564 48		2,028 40	11,735 03	134,451 48
March	87 44	90 92	3,434 92	17,088 21		2,676 93	4,265 15	27,643 57
April	156 53	749 48	2,690 98	21,612 59		815 00	5,071 70	31,096 28
May		269 95	3,017 89	17,597 01	1,153,414 43	18,386 87	1,337 29	1,194,023 44
June		433 87	3,317 83	28,919 94	1,094,830 40	27,797 17	7,455 46	1,162,754 67
July		306 98	1,866 10	31,927 96	134,544 30	1,273 53	9,937 12	179,855 99
August		91 38	1,588 29	30,283 26	92,935 00	690 97	174 72	125,763 62
September		195 17	1,332 72	54,399 99	101,156 71	5,806 39	2,310 59	165,201 57
October		1,243 00	1,706 47	34,797 51	132,748 39	3,630 13	2,538 89	176,664 39
November		906 95	4,163 50	60,913 52	147,691 40	6,671 54	2,262 14	222,609 05
December		533 79	4,961 16	43,767 01	337,292 98	3,136 28	319 44	390,010 66
	$594 89	$7,060 30	$84,927 75	$967,268 71	$3,194,613 61	$73,462 52	$78,742 90	$4,406,670 68

TABLE E.

Division of Taxes, received from January 1, 1886, to December 31, 1886.

	1882.	1883.	1884.	1885.	1886.	Total.
Police Department	$87 69	$985 99	$12,867 43	$143,183 57	$509,216 37	$666,341 05
Certain Expenses	29 23	328 68	4,454 13	53,693 84	163,676 67	222,182 55
Public Schools	58 47	739 52	9,403 13	137,217 57	418,284 88	565,703 57
City Poor	21 93	328 68	3,464 33	53,693 84	145,490 38	202,999 16
City, Direct	193 66	2,382 82	31,673 63	363,924 90	1,254,854 61	1,653,029 62
Miscellaneous Stock	109 62	1,232 48	15,341 91	161,081 52	491,030 04	668,795 57
Opening Streets		164 32	494 90	29,829 92	72,745 19	103,234 33
Water Tax			1,484 66	11,931 97	36,372 60	49,789 23
	$500 60	$6,162 49	$79,184 12	$954,557 13	$3,091,670 74	$4,132,075 08
Interest	94 29	897 81	5,743 63	12,711 58		19,447 31
Discount					102,942 87	102,942 87
	$594 89	$7,060 30	$84,927 75	$967,268 71	$3,194,613 61	$4,254,465 26
Opening, Closing and Widening Streets and Alleys						73,462 52
Paving Streets and Alleys						78,742 90
						$4,406,670 68

TABLE F.

Of Percentage collected within the year on Levies of 1880, 1881, 1882, 1883, 1884, 1885, to December 31; also on Levy of 1886, from date of Levy to December 31, 1886; also on Basis of 1885, to December 31, 1886.

	BASIS.	BASIS COLLECTED UPON.	PER CENT.
1880	$241,980,638	$169,896,579	70.21
1881	247,230,189	184,901,640	74.79
1882	246,234,056	179,574,015	72.93
1883	248,803,232	177,734,776	71.43
1884	249,651,699	179,065,070	71.73
1885	253,913,271	185,235,624	72.95
1886, to Dec. 31, 1886	256,240,655	187,918,451	73.33
1885, to Dec. 31, 1886	250,038,052	244,895,497	97.92

TABLE G.

Showing the Percentage collected monthly from January 1, 1886, to May, 1886, on Levy of 1885; and on Levy of 1886, from May to December 31, 1886, inclusive.

	MONTHS.	BASIS COLLECTED UPON.	PER CENT.
1885. $250,038,052	January	$33,524,827	13.41
	February	5,569,931	2.23
	March	1,057,440	.42
	April	1,330,825	.53
1886. $256,240,655	May	67,847,908	26.48
	June	64,401,789	25.13
	July	7,914,371	3.09
	August	5,466,765	2.13
	September	5,950,395	2.32
	October	7,808,729	3.05
	November	8,687,730	3.39
	December	19,840,764	7.74
		$187,918,451	73.33

Basis, December 31, 1886		$256,240,655
Less plant exempt	$1,380,742	
Less plant Consolidated and Equitable Gas Light Co.	602,780	1,983,522
		$254,257,133

Collected on $187,918,451; equal to $73\frac{91}{100}$ per cent.

TABLE H.

Summary of Receipts for paving streets and alleys from January 1, 1886, to December 31, 1886, inclusive.

Paving	Charles street	$ 436 92
"	Eutaw street	4,197 03
"	Monroe street	42 81
"	North street	26 80
"	East Baltimore street	4,354 66
"	South Charles street	1,035 61
"	Madison street	2,363 23
"	German street	9,982 00
"	West Baltimore street	3,511 54
"	Hanover street	5,454 11
"	Lexington street	777 49
"	China street	30 89
"	Franklin street	5,603 07
"	Mosher street	1,012 23
"	Tennant street	503 37
"	Dolphin street	4,605 79
"	Liberty street	1,968 35
"	Cross street	876 36
"	Wolfe street	263 75
"	Townsend street	611 67
"	Saratoga street	1,762 43
	Amount carried forward	$49,420 11

TABLE H—Concluded.

	Amount brought forward	$49,420 11
Paving	Calhoun street	601 77
"	Robert street	173 50
"	Chapel street	12 84
"	Gold street	94
"	Sewell street	25 70
"	Madison avenue	10,868 07
"	North avenue	10,599 24
"	Harlem avenue	4,371 10
"	Warren avenue	71 54
"	Court-House lane	63 52
"	Burgundy alley	113 12
"	Bruce alley	34 73
		$76,356 18
Interest on paving		2,386 72
		$78,742 90

TABLE I.

Summary of Receipts for opening and closing streets and alleys, from January 1, 1886, to December 31, 1886, inclusive.

Opening	Clement street	$ 768 61
"	Chester street	10,878 23
"	Hoffman street	7,025 07
"	Etting street	3,280 00
"	Patapsco street	404 06
"	Street from Cross to Jackson	1,675 90
"	North avenue	20,087 00
"	Bethel street	859 66
"	Preston street	2,849 66
"	Gold street	5,079 11
"	Cannon street	1,415 00
"	Patterson avenue	2,730 00
"	Monroe street	299 17
"	Carey street	1,522 50
"	Oliver street	1,575 00
Closing	Point lane	1 71
"	Cathedral street	1 00
Widening	Orleans street	13,010 84
		$73,462 52

ANNUAL REPORT

OF THE

CITY SOLICITOR,

TO THE

Mayor and City Council of Baltimore,

For the Fiscal Year Ending December 31st, 1886.

REPORT.

LAW DEPARTMENT—CITY HALL,

BALTIMORE, January 1, 1887.

To the Honorable the Mayor
and the First and Second Branches of the City Council:

GENTLEMEN:

It being made the duty of the City Solicitor, by section 3, article 13, of the Baltimore City Code of 1879, "to report annually to the City Council, in writing, the number of cases depending at the time of the report, and any decisions made within the year upon the construction of any ordinance," I respectfully, in compliance with this requirement, submit this report.

I will state and briefly explain:

First. The decisions made in the several courts in cases pending at the time of my report, dated January 1, 1886.

Second. The cases now pending to which the Mayor and City Council is a party.

Decisions of the Court of Appeals.

Conrad Kranz vs. The Mayor and City Council of Baltimore.

The facts of this case, which have been reported in a previous report of this Department, are briefly: the plaintiff sued the Mayor and City Council for damages alleged to have been inflicted on him by the injury and destruction of his property, caused by the breaking and overflowing of Chatsworth-run sewer, on September 3, 1882.

The case was tried on March 24, 1885, and taken away from the jury, and judgment for defendant, with costs, rendered on March 26, 1885. On April 21, 1885, an appeal was prayed to the Court of Appeals by the plaintiff, and the case argued in that Court.

The Court of Appeals, in its opinion handed down on January 29, 1886, said:

The city of Baltimore has by its charter, Code of Public Laws, article 4, section 835, "full power to pave and keep in repair all necessary drains and sewers, to pass all regulations necessary for the preservation of the same, and to authorize any person by them appointed for that purpose, to enter upon the lots, grounds and possessions of any person or body politic, through which the common sewers run, or ought to run, to regulate, make or repair the same." For more than 20 years the city used and controlled a stream within its limits as a common sewer, appointed an officer to see to its being kept in repair, and repaired it as well where it ran under private property as where it passed across or along public streets, without objection by owners of private property or interferences on their part: and the stream had been made a complete and continuous arched, covered and under-

ground drain or sewer, completely under the control and management of the city. And it held:

1st. That the legal results arising from this state of facts were that the city had acquired the right thus to use the stream wherever it crossed or flowed along the streets, which were from time to time laid out over the land through which the stream ran, by virtue of its power to open and condemn streets, and by adoption wherever it passed through private property and where the arching or covering of it may have been originally done by private owners.

2d. That it must be presumed that such private owners had surrendered, devoted or dedicated their rights in the bed of the stream to the public for the purposes of a public sewer, and that the city and public had accepted such dedication or surrender, and that in consequence of its having thus become a public sewer the city was bound to keep it in repair, and was responsible for injuries resulting from negligence in making necessary repairs, as well as from the negligent or unskillful manner in which the work of repairing was actually done.

3d. That the city, under the clause of its charter, above cited, had undoubted power to acquire, by dedication, adoption and acceptance, the right thus to use said stream, where it flowed through or under private property.

J. Monroe Heiskell vs. Mayor and City Council of Baltimore.

The facts of this case have been fully reported in the last annual report of this Department.

The Court of Appeals, in its opinion handed down, held:

That as a general rule, the power that creates a municipal corporation fixes the number of the members of the Common Council that shall constitute a quorum for the transaction of business; but when the statute is silent, the rule of the common law, that a majority constitutes a quorum, prevails, and the Common Council has no power to make more than the majority necessary to constitute a legal body.

The judgment of the lower Court, which was in favor of the city, was *affirmed*.

Johnson vs. Mayor and City Council of Baltimore,

Hook vs. Mayor and City Council of Baltimore,

Kelly vs. Mayor and City Council of Baltimore,

As explained in the last annual report of this Department, were suits for damages to property on the line of Caroline street, caused by reason of the grading and paving of said street before the condemnation of the same. They were appeals from the Superior Court of Baltimore city, and were argued, and the judgments of the Superior Court, which were *in favor of the city*, were *affirmed* by the Court of Appeals.

Bart. E. Smith vs. The Mayor and City Council of Baltimore.

John A. Robb, City Register vs. Bernard Carter.

Mr. Smith, the appellant in the first case, was appointed Commissioner of Street Cleaning in February, 1885, by the Mayor, by and with the advice and consent of a convention of the two Branches of the City Council of Baltimore.

In February, 1886, Mayor Hodges nominated him for a second term, but the City Council refused to confirm the nomination. In March, 1886, the Mayor again nominated him, but again the City Council refused their advice and consent to his re-appointment. No other nomination was made for the office, and he continued to discharge its duties. The City Register, taking the ground that in consequence of the refusal of the City Council to confirm his nomination, his term of office expired on the last day of February, 1886, refused to pay him his salary for the month of March, 1886, and this suit was brought for its recovery. The facts set out by the declaration of the plaintiff were admitted by the demurrer.

A *pro forma* judgment was entered for the defendant, and the plaintiff appealed to the Court of Appeals.

Mr. Carter, the appellee in the second case, was appointed City Solicitor, for the second time, in February, 1885. In February, 1886, Mayor Hodges nominated him for re-appointment for a third term, but his nomination was rejected by the City Council. On March 15, 1886, he was again nominated and again rejected.

In other respects his case was identical in its facts with that of Mr. B. E. Smith, the appellant in the first case.

Upon refusal of the City Register to pay his salary for the month of March, he applied for a mandamus to compel its payment. An order, granting the writ, was issued *pro forma* by the Court of Common Pleas, and from this order the City Register appealed to the Court of Appeals.

The two cases were argued together at the Court of Appeals; and the Court, in its opinion handed down, held:

That the Legislature may abolish an office, (of legislative creation,) but Courts must presume that an office, while it exists, is necessary.

That although no special statute exists providing that officers shall hold over until their successors are chosen, yet a public officer, on the expiration of his term without appointment of his successor, may and should continue in the discharge of the duties of the office, and is entitled to the salary for the additional time he serves.

The judgment of the Court of Appeals in these cases fully sustained the position of the Mayor in recognizing the officers above named as rightly in office.

Decisions in Other Courts.

SUPERIOR COURT.

King Brothers vs. Mayor and City Council of Baltimore.

In this case the plaintiffs sought to recover compensation for printing the journals of the City Councils of 1880, 1881, 1882 and 1883, in addition to what they had already received. They had been paid $1.10 per page for the pages of the open journal, which the city claimed also paid them for the printing of the close journals. King Brothers claimed it did not, and sought to recover $1.10 per page for printing the close journals.

The case was submitted to Judge Fisher, without a jury, and was argued by the City Counsellor and City Solicitor, and judgment rendered for the defendant.

BALTIMORE CITY COURT.

Charles Miller vs. Mayor and City Council of Baltimore.

This case, the facts of which were reported in the last report, page 22, was tried before a jury March 12, 1886, and judgment rendered on verdict, which was satisfied April 6, 1886.

Lewis Turner vs. Mayor and City Council of Baltimore.

This case was dismissed on February 20, 1886.

Mary A. Kuper vs. Same.

February 20, 1886, jury assessed the damages at $1650.

Eliza. McGraw vs. Same.

February 20, 1886, jury assessed damages at $2450.

These were appeals from street assessments.

CASES PENDING IN THE COURTS.

COURT OF APPEALS.

Mayor and City Council of Baltimore vs. John M. Glenn et al.

This is an appeal from a judgment of the Baltimore City Court, upon an agreed statement of facts as to whether the bed of Patterson Park avenue, (formerly Gist street,) between Preston and Hoffman streets, had been dedicated as a public street or highway by certain deeds, through which the present title of the land is derived.

Mayor and City Council of Baltimore vs. Henry G. Fledderman.

This is an appeal from a *pro forma* judgment rendered by the Baltimore City Court, upon an agreed statement of facts presented to said Court for the purpose of deciding the question of the liability of the Mayor and City Council of Baltimore for sheriff's costs, in cases heard after the day of election, incurred in summoning registers, clerk of Superior Court and witnesses, to testify in registration cases brought by citizens of Baltimore, in order to compel officers of registration to strike from the registry of voters and the list of qualified voters the names of certain persons, which are alleged to be improperly on said list.

Mayor and City Council of Baltimore vs. Martha Hussey.

This is an appeal from a judgment of the Baltimore City Court, (rendered *pro forma*,) the case having been submitted to the Court upon an agreed statement of facts. The suit was brought to recover a certain amount illegally, it is claimed, deducted by the City Register from the interest due the plaintiff on certain stock issued by the city of Baltimore owned by her, a non-resident, as taxes due on said stock to the State of Maryland. *Pro forma* judgment was entered by the Baltimore City Court—in favor of Martha Hussey, whence this appeal.

CIRCUIT COURT.

John T. Morris et al. vs. The Mayor and City Council of Baltimore.

In this case, heretofore reported, a decree was passed May 6, 1886, determining the rights of the parties complainant to

certain money which had been awarded as damages in the opening of Patterson Park avenue.

Benjamin F. Bennett vs. Mayor and City Council of Baltimore.

This is a bill filed to restrain the collection by the city, of taxes on a judgment.

Mayor and City Council of Baltimore vs. T. Edward Hambleton et al.

This bill was filed to compel the defendant to remove the structures (claimed by them to be bay windows) erected beyond the building line on Pleasant street, at the corner of and near Charles street, and also the projection in front of said house on Charles street. Answers have been put in by defendants, which necessitated the taking of testimony to support the allegations of the bill. This will be proceeded with without delay, and the case presented to the Court for its decision at the present term of Court.

CIRCUIT COURT.

John H. Bing et al. vs. Mayor and City Council of Baltimore.

This is a bill to restrain further proceedings in the condemnation proceedings for opening of West street, on the ground that the street had been already *dedicated*.

Greenbury Shaw vs. Mayor and City Council of Baltimore.

This is a proceeding to have set aside for alleged irregularity a sale made by the city for taxes.

COURT OF COMMON PLEAS.

All the cases now pending in this Court have been reported in the previous reports of this Department, and the facts of each stated.

BALTIMORE CITY COURT.

There are pending in this Court, besides the cases, the facts of which have been reported in previous reports of this Department, four cases, which have been instituted since the last annual report.

They are as follows:

Wilhelmina Kull, by her next friend and husband, Frederick Kull, vs. Mayor and City Council of Baltimore.

This is a suit brought to recover damages for the injury done the plaintiff and her property by the overflow of "Chatsworth Run Sewer," on July 11, 1884 and July 31, 1884.

John D. Blake vs. Same.

This is a suit brought to recover damages for injuries done to a horse and carriage belonging to the plaintiff, occasioned by the alleged defective condition of Warner street, between Wayne and Barre streets.

George W. Brooks vs. Same.

This suit is brought to recover damages for injuries sustained by the plaintiff to his person, owing to the alleged negligence of the servants of the defendant in not putting out the proper lights and taking proper precautions for the

safety of the public on the night of 14th April, 1885, while in the course of paving Front street, and repairing the same.

Herman Isaacs et al vs. Mayor and City Council.

No declaration has been filed in this case.

UNITED STATES CIRCUIT COURT.

Beard vs. Mayor and City Council of Baltimore.

This is a bill to enjoin the use by the city of sewer-gates, alleged to be covered by a patent held by the plaintiff. There is, I am satisfied, nothing in the claim thus made.

All of which is respectfully submitted.

BERNARD CARTER,
City Solicitor.

ANNUAL REPORT

OF THE

WATER DEPARTMENT

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1886.

Officers of the Water Board,

DECEMBER 31, 1886.

COMMISSIONERS.

HON. JAMES HODGES, MAYOR,
Ex-officio President.
JOHN F. HUNTER, *Secretary,*
WM. A. MARBURG,
JOHN E. HURST,
SAMUEL W. REGESTER,
JOS. S. HEUISLER,
CLINTON P. PAINE.

REGISTRAR'S DEPARTMENT.

E. SHRIVER, *Water Registrar.*
JAS. A. MARRIAN, *General Book-Keeper.*
JAS. S. ETCHBERGER, *Cashier.*
J. J. C. SCULLY, *Clerk of Errors.*
WM. GILMOR, of WM., *Ledger Clerk.*
WM. A. MALONEY, "
WM. F. HYNSON, "
JOHN GIBSON, "
SAMUEL A. HART, "
J. BEALE HOWARD, "
E. A. HOGG, *Meter and New Supply Clerk.*

BENJ. PRICE,
GEO. A. COLEMAN,
JOHN D. ALCOCK,
D. G. CARLISLE,
S. L. AUERBACH,
JOHN T. KERNS,
LEONARD C. HORNICK,
BARNEY L. HESS,

District Inspectors and Bill Distributors.

GEORGE W. EMMERICH, *Hydrant Inspector.*

ENGINEER'S DEPARTMENT.

ROBT. K. MARTIN, *Chief Engineer.*
WM. L. KENLY, *Engineer and Superintendent County Division.*
MATHEW O'BRIEN, *Draughtsman.*
RICHARD D. MURPHY, *Clerk.*

IN MEMORIAM.

MAYOR'S OFFICE,

BALTIMORE, July 6, 1886.

At a special meeting of the members of the Water Board, called at the Mayor's office this day, to take suitable action in reference to the death of Mr. George U. Porter, late member of the Board, the following resolutions were unanimously adopted:

Resolved, That we have heard with sincere regret of the death of Mr. Porter, whose connection with this Board, for a period of twenty years, both as a member and as Secretary thereof, has been a service of prolonged usefulness and efficiency in the management of the great public interest with which he was so closely and devotedly identified.

Resolved, That we recognized in the late Mr. Porter a citizen of the highest sense of public duty, of sterling integrity, patriotism and usefulness, and one who was always ready to lend his aid to every movement having for its object the promotion of the trade and commerce of the city, its moral and intellectual advancement, and the general welfare of the community; and that he deserves to be remembered by the people of this city with sentiments of respect and appreciation.

Resolved, That we tender to his afflicted widow and children our heartfelt condolence in their bereavement, together with our earnest hope that they may be sustained in their sorrow by the consoling power of Divine Wisdom.

Resolved, That the Secretary be instructed to send an engrossed copy of these resolutions to the family of the deceased; that they be published in the daily papers, and that the members of the Board will attend his funeral in a body.

JAMES HODGES,
President Ex-officio.

WILLIAM A. MARBURG,
Secretary pro tem.

REPORT.

BOARD OF WATER COMMISSIONERS—CITY HALL,

BALTIMORE, January 2, 1887.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

In obedience to the requirements of the ordinance creating the Water Department, we have the honor of submitting, for your consideration, the annual report for the year 1886.

The balances to the credit of the Water Department on the 31st December, 1885, were as follows:

Permanent supply account	$ 3,833 52
Lake Clifton loan	63,059 84
Revenue account	38,852 45
Making a total of	$105,745 81
And adding the net receipts from all sources during 1886	656,367 42
Gave aggregate available sum	$762,113 23
The disbursements during the year ended December 31, 1886, amounted to	730,334 26
Leaving balance December 31, 1886	$ 31,778 97

Which belong to the several accounts, viz.:

Permanent supply	$ 3,833 52	
Lake Clifton account	606 00	
Revenue	$27,339 45	
		$31,778 97

Net receipts, 1886	$656,367 42
Net receipts, 1885	635,690 21
Increase for 1886	$20,677 21

1886—Rents collected during the year	$375,889 38
1885—Rents collected during 1885	363,298 48
Showing an increase in current year rents of	$12,590 90

Meter bills collected in 1886	$95,485 57
Meter bills collected in 1885	85,191 60
Increase for 1886	$10,293 97

The promised revenue per annum from new supplies, per applications made, amount to $20,007 Of this amount, $3,291.86 has been charged up as due in 1886.

In consequence of the large reduction in water rents made in 1883, it became necessary for the Council of that year to levy a tax of three cents on the hundred dollars in payment for the water used in fountains, public buildings, for the extinguishing of fire, and for hygienic purposes. A similar tax has been imposed in

other cities for many years, and is recognized as the only mode by which non-water takers, who share in all the advantages of an abundant supply, can be made to contribute to the cost of its maintenance. Subsequently, the Water Board, finding the amount derived from a tax of three cents to be in excess of its requirements, requested the Council to reduce the levy to two cents. The reduced rate, yielding for the year 1886 $49,789.23, which, in addition to its usual source of revenue, enabled the Board to pay the interest upon the water stock, for the extension of mains, and current expenses of the Department for the past year, leaving in the hands of the City Register a balance of $31,778.97, less $3,833.52 due permanent supply account, and which amount is held subject to the order of the Circuit Court of Baltimore County. The balance standing to the credit of the Department is too small to justify any immediate reduction in either tax levy or water rates.

The constant increase in the revenues of the Department, and the economy of its management, encourages the hope of further lessening the burdens of the taxpayer and water-consumer at an early day. The adoption by the people, at the last municipal election, of an ordinance authorizing the Water Board, through the Commissioners of Finance, to issue bonds to an amount not exceeding one million of dollars, bearing interest at the rate of three per cent. per annum, the proceeds to be used in the betterment of the city's water supply, will enable the Department to improve the facilities for delivering water for domestic and manufacturing purposes, and increase its revenue. Two thousand,

seven hundred and seven new supplies were introduced during the past year, with an estimated rental of twenty thousand dollars. The distributing and service mains laid during the same period aggregate over sixteen miles of pipe, varying from one and a-half to ten inches.

The Engineer in Chief has had frequent conferences with the Chief Engineer of the Fire Department relative to the location of new plugs, thirty-eight of which have been erected during the year, making a total of one thousand and eight fire-plugs in the city, many of which, being upon mains of large size, are arranged to furnish water to two engines. The new road around Lake Roland was opened during the summer, and the advantages derived from it were not overestimated.

The Engineer reports the continued prosecution of work upon Lake Clifton, and offers assurance of its completion during the season of 1887.

The rapid improvements that have been made in the sections supplied with water from Jones' Falls, and the marked decrease in the flow of the streams tributary to Lake Roland, necessitates an addition to the volume of water in Druid Lake and the High-service Reservoir.

This is proposed to be accomplished by withdrawing the pumping engines from near Meredith's Ford, in Baltimore county, and locating them in the ravine near Mount Royal, and from thence pumping ten millions of gallons of Gunpowder water daily into the various reservoirs within the park, a quantity nearly equal

to the daily flow of Jones' Falls and Roland's run. These pumps will also be used in connection with the Eastern high-service.

Immediate attention will be given to an increased supply of water in the eastern, northeastern and southern sections, including Locust Point, in all of which large numbers of manufacturers are locating.

Mr. George U. Porter, who for nearly a score of years was a member, and for the greater part of the time Secretary to the Board, died during the past year. His mastery of the details of the Department, his attention to its duties, and his unfailing courtesy to the public and his colleagues adapted him to the position he ably filled.

The Board invites your attention to the accompanying reports of the chief officers of the Department, giving in detail the business for the past year.

JAMES HODGES,
President Ex-officio.

JOHN F. HUNTER, *Secretary.*
WM. A. MARBURG,
JOHN E. HURST,
SAMUEL W. REGESTER,
JOS. S. HEUISLER,
CLINTON P. PAINE.

WATER REGISTRAR'S REPORT.

REPORT.

WATER REGISTRAR'S OFFICE—CITY HALL,

BALTIMORE, December 31, 1886.

To the Honorable the President and
Members of the Water Board:

GENTLEMEN:

City Ordinance No. 10, Section 8, requires the Registrar to have prepared and submit to the Water Board, on or before the first Monday of January annually, statements showing the receipts and disbursements of the Registrar's Department for the year, and the source from which the revenue was received.

The receipts for the year were as follows:

From 1886—Water rents	$375,889 38
" 1885 " "	113,663 04
" 1884 " "	6,203 26
" 1883 " "	2,766 68
" Meter rents	95,485 57
	$594,007 93
Less discount on 1886 water rents	30,571 03
Amount carried forward	$563,436 90

Amount brought forward	$563,436 90
Interest	2,101 50
Plumbing bills	31,186 28
From distributing mains	559 15
" Lake Roland	783 75
" Loch Raven	121 60
" pump-house	5 25
" Hampden Reservoir	78 80
" Mount Royal Reservoir	15 00
" High-service Reservoir	19 00
" profit and loss (conscience fund)	40 00
" Druid Lake	45 00
" Lake Montebello	86 00
" real estate and water rights	500 00
" Jones' Falls conduit	10 00
" Gunpowder real estate and water rights	225 00
	$599,213 23
From Lake Clifton	3,064 96
" appropriation for new fire-plugs and fountains	4,000 00
" appropriation for laying main on Hollins street	300 00
" water tax	49,789 23
Net receipts	$656,367 42
Add amount of discount allowed on 1886 water rents	30,571 03
Gross receipts	$686,938 45

The disbursements for the year were as follows:

Paid Plumbing Department	$ 15,848 66
" repairs	9,285 07
" Lake Roland	4,203 95
" salaries Registrar's Department	21,599 60
" " Engineer's "	8,333 16
" pump-house	15,682 63
" temporary supply	673 87
" water meters (expenses)	3,157 49
" current expenses	3,681 62
" Druid Lake	3,018 28
" printing and stationery	837 89
" High-service Reservoir	1,563 53
" Hampden "	797 88
" Mount Royal "	613 11
" Loch Raven	6,073 71
" Lake Montebello	6,467 54
" water courses	1,119 96
" Jones' Falls conduit	143 50
Working expenses	$103,101 45
" Lake Clifton (from loan)	65,518 80
" " " (from revenue)	12,785 89
" distributing main	65,946 71
" fire-plugs, pumps, and fountains	7,223 73
" returned money	1,154 49
" Gunpowder real estate and water rights	48 50
Paid real estate and water rights	3 21
" tools and fixtures	575 19
" water meters	1,346 29
" interest on stock	472,630 00
	$730,334 26

The following statements exhibit in detail the financial transactions of the Department for the year of 1886:

Statement A, Water Registrar's cash account.
" B, " " disbursement account.
" C, trial balance, general ledger.
" D, balance sheet.
" E, receipts.
" F, disbursements.
" G, new supplies.
" H, abatements.
" I, comparative receipts.
" K, balance remaining on the books of the Department December 31, 1886.
" L, revenue.

Statement E shows the gross receipts for the year 1886 were	$686,938 45
As compared with a similar statement for the year 1885 of	665,176 09
Increase of revenue for the year 1886.	$21,762 36

The new supplies for the year 1886 were 2,707, which will yield an annual revenue of $20,007.

Most respectfully submitted,

E. SHRIVER,
Water Registrar.

STATEMENTS.

STATEMENT A.

Water Registrar's cash account for the year 1886.

	Dr.	Cr.
To balance on hand December 31, 1885	$ 1,923 97	
To water rents, 1886 $375,889 38		
Less discount 30,571 03		
	345,318 35	
To water rents, 1885	113,663 04	
" water rents, 1884	6,203 26	
" water rents, 1883	2,766 68	
" meter rents	95,485 57	
" plumbing bills	31,186 28	
" interest	2,101 50	
" distributing mains	559 15	
" Lake Roland	783 75	
" Loch Raven	121 60	
" Lake Clifton	3,064 96	
" Pump-house	5 25	
" Hampden Reservoir	78 80	
" Mount Royal Reservoir	15 00	
" High-service Reservoir	19 00	
" profit and loss	40 00	
" Druid Lake	45 00	
" Lake Montebello	86 00	
" real estate and water rights	500 00	
" Jones' Falls conduit	10 00	
" Gunpowder real estate and water rights	225 00	
Amount carried forward	$604,202 16	

STATEMENT A—Concluded.

	Dr.	Cr.
Amount brought forward.	$604,202 16	
To appropriations by Mayor and City Council.....	4,300 00	
" water tax.....	49,789 23	
By deposits with City Register, January.....		85,425 31
" deposits with City Register, February.....		201,633 97
" deposits with City Register, March.....		51,158 48
" deposits with City Register, April.....		70,451 38
" deposits with City Register, May.....		31,789 12
" deposits with City Register, June.....		27,663 60
" deposits with City Register, July.....		37,487 99
" deposits with City Register, August.....		10,476 32
" deposits with City Register, September.....		16,336 58
" deposits with City Register, October.....		36,976 90
" deposits with City Register, November.....		14,186 23
" deposits with City Register, December.....		22,674 78
" water tax.....		49,789 23
" balance on hand December 31, 1886.....		2,241 50
	$658,291 39	$658,291 39

STATEMENT B.

Water Registrar's disbursement account for the year 1886.

	Dr.	Cr.
To Water Board warrants drawn on the City Comptroller, from January 2 to December 31, 1886	$730,334 26	
By Lake Clifton		78,304 69
" distributing mains		65,946 71
" pumps and fountains		2,398 42
" fire-plugs		4,825 31
" returned money		1,154 49
" tools and fixtures		575 19
" water meters		4,503 78
" Lake Roland		4,203 95
" salaries Registrar's Department		21,599 60
" salaries Engineer's Department		8,333 16
" Plumbing Department		15,848 66
" pump-house		15,682 63
" repairs		9,285 07
" temporary supply		673 87
" current expenses		3,681 62
" Druid Lake		3,018 28
" printing and stationery		837 89
" High-service Reservoir		1,563 53
Amounts carried forward	$730,334 26	$242,436 85

STATEMENT B—Concluded.

	Dr.	Cr.
Amounts brought forward..	$730,334 26	$242,436 85
To Hampden Reservoir.....		797 88
" Mount Royal Reservoir...		613 11
" Loch Raven.....		6,073 71
" Lake Montebello.....		6,467 54
" water courses.....		1,119 96
" Jones' Falls conduit.....		143 50
" Gunpowder real estate and water rights.....		48 50
" real estate and water rights		3 21
" interest on water stock...		472,630 00
	$730,334 26	$730,334 26

STATEMENT C.

DR. *Trial Balance, General*

Folio.		
6	Real estate and water rights	$ 769,351 20
9	Construction of new works	3,155,437 88
42	Mayor and City Council	29,537 47
92	Water Registrar's cash account	2,241 50
112	Gunpowder permanent supply	4,117,914 50
115	Lake Clifton	497,546 19
120	Gunpowder real estate and water rights	228,119 87
129	Distributing mains	1,859,619 60
136	Lake Clifton distributing main	109,553 24
148	Water meters	26,108 54
156	Tools and fixtures	6,761 06
166	Repairs	9,285 07
176	Fire-plugs	2,325 31
184	Pumps and fountains	898 42
187	Lake Roland	3,420 20
193	Druid Lake	2,973 28
197	High-service Reservoir	1,544 53
201	Hampden Reservoir	719 08
205	Mount Royal Reservoir	598 11
212	Pump-house	15,677 38
215	Temporary supply	673 87
224	Current expenses	3,681 62
231	Printing and stationery	837 89
233	Engineer's Department	8,333 16
243	Registrar's Department	21,599 60
247	Returned money	1,154 49
301	Loch Raven	5,952 11
312	Lake Montebello	6,381 54
320	Water courses	1,119 96
326	Jones' Falls conduit	133 50
422	Discount	30,571 03
		$10,920,071 20

STATEMENT C.

Ledger, December 31, 1886. Cr.

Folio.		
2	City six per cent. water stock.....	$ 263,000 00
3	City five per cent. water stock.....	8,737,000 00
3	City four per cent. water stock.....	500,000 00
4	Profit and loss	815,217 63
279	Plumbing bills.....	8,744 14
380	Interest.....	2,101 50
465	Meter rents.....	95,485 57
537	1883 water rents.....	2,766 68
561	1884 " "	6,203 26
583	1885 " "	113,663 04
610	1886 " "	375,889 38
		$10,920,071 20

STATEMENT D.

DR. *Balance Sheet, General*

Folio.		
6	Real estate and water rights	$ 769,351 20
9	Construction of new works	3,155,437 88
42	Mayor and City Council	29,537 47
92	Water Registrar's cash	2,241 50
112	Gunpowder permanent supply	4,117,914 50
115	Lake Clifton	497,546 19
120	Gunpowder real estate and water rights	228,119 87
128	Distributing mains	1,859,619 60
136	Lake Clifton distributing mains	109,553 24
148	Water meters	22,951 05
156	Tools and fixtures	6,185 87
		$10,798,458 37

STATEMENT D.

Ledger, December 31, 1886. CR.

Folio.		
2	City six per cent. water stock.....	$ 263,000 00
3	City five per cent. water stock.....	8,737,000 00
3	City four per cent. water stock.....	500,000 00
4	Profit and loss	1,298,458 37
		$10,798,458 37

STATEMENT E.

Receipts of the Water Department for the Year 1886.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Water rents, 1886	$45,494 50	$207,830 28	$39,688 75	$13,789 22	$ 7,815 19	$ 9,650 28	$ 6,141 53	$ 5,169 73	$ 7,545 10	$ 7,234 03	$ 7,889 45	$17,641 32	$375,889 38
" " 1885	17,548 51	13,032 14	12,502 01	32,876 40	18,371 01	12,179 54	3,019 25	1,186 25	558 38	610 83	1,096 34	682 38	113,663 04
" " 1884	903 50	434 00	494 50	818 76	806 50	1,028 00	473 00	427 50	120 25	162 50	363 75	171 00	6,203 26
" " 1883	326 25	125 00	140 75	292 01	382 75	294 00	253 50	429 92	65 50	272 00	67 50	117 50	2,766 68
Interest	19 87	99 24	162 04	571 50	466 36	402 07	122 39	71 11	39 30	49 42	60 03	38 17	2,101 50
Plumbing bills	2,304 21	711 97	1,346 03	1,415 94	3,558 01	3,642 01	3,056 26	2,622 32	3,420 37	2,702 14	4,302 68	2,104 34	31,186 28
Meter rents	23,599 03	172 93	391 31	20,402 39	591 05	194 06	23,770 49	381 01	12 39	25,564 65	358 85	47 41	95,485 57
Distributing mains	59 03	7 00	6 00	130 00	14 49	6 00	81 72	12 00	6 00	.....	12 00	224 91	559 15
Lake Roland	38 56	83 11	.....	149 86	.....	.....	96 62	.....	44 02	.....	19 78	351 80	783 75
Loch Raven	8 00	.....	.....	.....	8 00	32 00	.....	12 50	.....	8 00	16 00	37 10	121 60
Lake Clifton	.....	.....	.....	650 00	65 00	550 00	506 00	162 96	200 00	325 00	.....	606 00	3,064 96
Pump-house	.....	.....	.....	5 25	.....	.....	.....	.....	.....	.....	.....	.....	5 25
Hampden Reservoir	.....	.....	.....	.....	.....	20 00	21 00	11 00	26 80	.....	.....	.....	78 80
Mount Royal Reservoir	.....	.....	.....	.....	.....	10 00	.....	.....	5 00	.....	.....	.....	15 00
High-service Reservoir	.....	.....	.....	.....	.....	.....	15 00	.....	.....	4 00	.....	.....	19 00
Profit and loss (conscience money)	.....	.....	.....	.....	.....	.....	40 00	.....	.....	.....	.....	.....	40 00
Druid Lake	.....	.....	.....	.....	.....	.....	.....	16 00	7 00	22 00	.....	.....	45 00
Lake Montebello	.....	.....	.....	.....	.....	.....	.....	.....	1 00	40 00	20 00	25 00	86 00
Real estate and water rights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	500 00	500 00
Jones' Falls Conduit	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 00	10 00
Gunpowder real estate and water rights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	225 00	225 00
	$90,301 46	$222,495 67	$54,731 39	$71,101 33	$32,078 36	$28,007 96	$37,596 76	$10,502 30	$12,051 11	$36,994 57	$14,206 38	$22,781 93	$632,849 22
Received appropriation for new fire-plugs and fountains													4,000 00
" appropriation for laying main on Hollins street													300 00
" water tax													49,789 23
Total receipts													$686,938 45

STATEMENT F.

Disbursements of the Water Department for the Year 1886.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Lake Clifton	$ 3,924 71	$ 3,431 78	$ 2,914 25	$ 6,095 32	$13,265 75	$ 5,105 16	$ 6,558 78	$ 6,423 44	$ 6,848 50	$ 8,624 56	$ 9,611 93	$ 5,500 51	$ 78,304 69
Distributing mains	3,828 87	1,165 00	1,703 72	2,804 17	5,322 31	8,148 86	15,338 78	7,377 33	3,576 90	4,119 46	10,151 99	2,409 32	65,946 71
Pumps and fountains	167 56	138 75	146 17	220 17	370 91	194 07	495 68	117 86	111 26	182 53	92 65	160 81	2,398 42
Fire-plugs	758 29	856 24	732 19	376 72	502 70	265 96	393 06	184 12	91 35	177 02	88 79	398 87	4,825 31
Returned money	51 07	104 34	144 74	330 57	160 04	171 44	70 88	37 83	22 37	13 74	27 30	20 17	1,154 49
Gunpowder real estate and water rights												48 50	48 50
Tools and fixtures	105 34	55 61	37 76	59 00	29 87	37 51	46 76	44 49	18 18	41 37	46 68	52 62	575 19
Water meters	263 08	315 76	424 79	393 76	426 25	406 08	420 27	311 02	530 18	260 73	300 06	451 80	4,503 78
Lake Roland	181 71	117 63	107 85	80 10	372 83	270 91	313 42	313 05	1,262 06	412 52	404 39	367 48	4,203 95
Salaries, Registrar's Department	1,708 30	1,808 30	1,808 30	1,808 30	1,808 30	1,808 30	1,808 30	1,808 30	1,808 30	1,808 30	1,808 30	1,808 30	21,599 60
" Engineer's Department	694 43	694 43	694 43	694 43	694 43	694 43	694 43	694 43	694 43	694 43	694 43	694 43	8,333 16
Plumbing Department	921 72	637 43	539 00	1,479 28	799 56	1,750 37	2,451 35	1,105 64	1,086 27	1,303 83	2,435 85	1,338 36	15,848 66
Pump-house	1,082 08	1,428 46	641 47	937 68	3,124 32	609 09	528 23	3,832 46	1,491 10	791 90	659 68	556 16	15,682 63
Repairs	812 46	714 77	843 90	1,012 28	641 23	539 52	1,031 51	504 12	694 53	832 52	713 82	944 41	9,285 07
Temporary supply	50 00	50 24	50 00	50 00	82 20	50 00	50 00	50 00	50 00	50 00	50 00	91 43	673 87
Current expenses	464 99	306 80	338 49	264 01	253 97	267 06	298 54	211 03	386 17	283 24	210 84	396 48	3,681 62
Druid Lake	102 63	98 50	216 26	139 14	178 01	259 56	398 29	357 00	747 38	229 88	178 13	113 50	3,018 28
Printing and stationery	41 21	108 90	264 55	28 15	59 55	35 60	96 85	19 00	47 53	42 70	86 57	7 28	837 89
High-service Reservoir	10 00	10 00	10 00	10 00	10 00	19 00	132 00	10 00	147 30	704 04	429 18	72 01	1,563 53
Hampden Reservoir	40 00	40 30	46 30	48 27	52 51	89 01	53 01	12 25	78 52	39 51	65 01	233 19	797 88
Mount Royal Reservoir	45 41	45 41	51 72	54 34	46 91	96 46	45 41	40 40	50 82	45 41	45 41	45 41	613 11
Loch Raven	175 52	161 22	108 95	183 63	702 05	739 68	653 36	688 42	687 12	789 53	731 79	452 44	6,073 71
Lake Montebello	500 60	369 13	433 83	510 52	452 18	509 36	924 01	615 61	605 47	481 03	562 37	503 43	6,467 54
Water courses	113 33	83 33	83 33	113 33	83 33	83 33	113 33	83 33	83 33	113 33	83 33	83 33	1,119 96
Jones' Falls Conduit				41 75		26 75	15 00	20 00	10 00	10 00	10 00	10 00	143 50
Real estate and water rights												3 21	3 21
	$16,043 31	$12,742 33	$12,342 00	$17,734 92	$29,439 21	$22,177 51	$32,931 25	$24,861 13	$21,129 07	$22,051 58	$29,488 50	$16,763 45	$257,704 26
Paid twelve months' interest on $9,500,000 water stock													472,630 00
Total disbursements for the year													$730,334 26

STATEMENT G.

New Supplies for the Year 1886.

1022	houses,	@	$ 3 00..	$3,066 00	
39	"	@	5 00..	195 00	
782	"	@	6 00..	4,692 00	
162	"	@	7 50..	1,215 00	
467	"	@	9 00..	4,203 00	
167	"	@	12 00..	2,004 00	
23	"	@	14 00..	322 00	
					$15,697 00
2662					
18	warehouses,	@	$ 6 00..	$108 00	
8	"	@	8 00..	64 00	
19	"	@	10 00..	190 00	
					362 00
2707					
					$16,059 00
260	baths,	@	$2 00..	$520 00	
221	water-closets,	@	2 00..	442 00	
222	hose,	@	3 00..	666 00	
100	horses,	@	1 50..	150 00	
44	carriages,	@	1 50..	66 00	
20	cows,	@	1 00..	20 00	
					$1,864 00
			PER. H. P.		
1	30 H.P. boiler,	@	$5 00..	$150 00	
1	26 " "	@	5 00..	130 00	
3	22 " "	@	5 00..	330 00	
1	10 " "	@	5 00..	50 00	
1	8 " "	@	5 00..	40 00	
Amounts carried forward.....				$700 00	$17,923 00

Amounts brought forward.....			$700 00	$17,923 00
1	6 H.P. boiler,	@	5 00..	30 00	
1	3 " "	@	5 00..	15 00	
3	drugs,	@	$ 3 00..	9 00	
9	bars,	@	3 00..	27 00	
14	bars,	@	5 00..	70 00	
2	bakeries,	@	3 00..	6 00	
4	churches,	@	10 00..	40 00	
56	cellar drainers,	@	3 00..	168 00	
14	motors,	@	25 00..	350 00	
5	"	@	50 00..	250 00	
1	oyster establ'h't	@	10 00..	10 00	
1	" "	@	15 00..	15 00	
1	" "	@	25 00..	25 00	
1	pickling estab't,	@	10 00..	10 00	
1	" "	@	25 00..	25 00	
1	pudding butch'r,	@	5 00..	5 00	
1	special rent,	@	100 00..	100 00	
1	" "	@	30 00..	30 00	
5	" "	@	9 00..	45 00	
4	" "	@	6 00..	24 00	
1	" "	@	15 00..	15 00	
2	fountains,	@	10 00..	20 00	
1	lime kiln,	@	5 00..	5 00	
1	heater,	@	20 00..	20 00	
1	fire-plug,	@	25 00..	25 00	
1	photographer,	@	10 00..	10 00	
1	butchery,	@	20 00..	20 00	
1	"	@	10 00..	10 00	
1	pipe factory	@	5 00..	5 00	
					$2,084 00
Annual revenue.....					$20,007 00

STATEMENT H.

Abatements condensed for the year 1886.

	1883.		1884.		1885.		1886.	
Vacancies	12	$211 25	34	$361 01	192	$1,636 30	179	$1,206 88
Duplicates, torn down and no water	61	645 75	81	795 58	142	1,458 35	221	2,992 36
Specials	2	15 00	1	5 00	16	351 80	71	1,023 33
Horses	5	7 50	27	40 50	67	99 75	167	249 75
Carriages	2	2 00	10	15 00	31	45 75	103	153 75
Rents reduced	3	30 50	4	15 00	33	203 00	80	423 50
Hose	1	3 00	6	18 00	36	108 00	189	567 00
Baths	2	4 00	...	.....	....	.....	2	4 00
Water-closets	2	4 00	...	.....	....	.....	2	4 00
Cows	...	.....	...	.....	1	1 00	7	7 00
Bars	...	.....	1	3 00	10	38 00	56	203 83
		$923 00		$1,253 09		$3,941 95		$6,835 40

Total amount of abatements for the year..... $12,953.44.

STATEMENT I.

Comparative Statement of Receipts for the Years 1884, 1885, *and* 1886.

1884.		1885.		1886.	
1884 water rents	$348,737 58	1885 water rents	$363,298 48	1886 water rents	$375,889 38
1883 " "	137,850 08	1884 " "	111,899 55	1885 " "	113,663 04
1882 " "	5,537 30	1883 " "	5,906 01	1884 " "	6,203 26
1881 " "	1,975 37	1882 " "	2,054 57	1883 " "	2,766 68
Meter rents	79,099 22	Meter rents	85,191 60	Meter rents	95,485 57
	$573,199 55		$568,350 21		$594,007 93
Less discount on 1884 water rents	29,307 27	Less discount on 1885 water rents	29,485 88	Less discount on 1886 water rents	30,571 03
	$543,892 28		$538,864 33		$563,436 90
Plumbing bills	30,163 70	Plumbing bills	29,260 65	Plumbing bills	31,186 28
Interest on back water rents	2,455 33	Interest on back water rents	2,080 09	Interest on back water rents	2,101 50
Distributing mains	2,114 48	Distributing mains	86 64	Distributing mains	559 15
Gunpowder real estate and water rights	750 00	Gunpowder real estate and water rights	150 00	Gunpowder real estate and water rights	225 00
Lake Roland	714 78	Lake Roland	721 16	Lake Roland	783 75
Lake Montebello	75 12	Lake Montebello	18 00	Loch Raven	121 60
Loch Raven	134 74	Loch Raven	124 10	Pump-house	5 25
Jones' Falls Conduit	10 00	Jones' Falls Conduit	10 00	Hampden Reservoir	78 80
Mount Royal Reservoir	22 50	Mount Royal Reservoir	30 00	Mount Royal Reservoir	15 00
Hampden Reservoir	67 00	Hampden Reservoir	55 00	High-service Reservoir	19 00
Pump-house	8 50	Pump-house	17 58	Profit and loss (conscience money)	40 00
Real estate and water rights	500 00	Tools and fixtures	3 00	Druid Lake	45 00
Stationery and printing	10 00	Druid Lake	18 00	Lake Montebello	86 00
Current expenses	5 00	High-service Reservoir	2 00	Real estate and water rights	500 00
		Real estate and water rights	500 00	Jones' Falls Conduit	10 00
	$580,923 43		$571,940 55		$599,213 23
Appropriation for fountains, fire-plugs, pumps, and mains	5,000 00	Lake Clifton	1,360 00	Lake Clifton	3,064 96
Water tax	52,013 90	Appropriation for water main	1,500 00	Appropriation for new fire-plugs and fountains	4,000 00
		Appropriation for new fire-plugs, fountains, &c	5,000 00	Appropriation for laying main on Hollins street	300 00
		Part of appropriation for improvement in water supply of the Baltimore City Jail	1,636 72		
		Water tax	54,252 94	Water tax	49,789 23
	$637,937 33		$635,690 21		$656,367 42

STATEMENT K.

Balances remaining on the books of the Department December 31, 1886.

1886 water rents	$121,201 26
1885 " "	8,298 62
1884 " "	5,039 84
Plumbing bills	4,737 77
Meter bills	827 61
	$140,105 10

STATEMENT L.

Revenue, per 1887 *Ledgers, January* 1, 1887.

16,618	houses	@	$3 00	$ 49,854 00	
18,779	"	@	6 00	112,674 00	
16,084	"	@	9 00	144,756 00	
7,599	"	@	12 00	91,188 00	
2,691	"	@	14 00	37,674 00	
61,771					$436,146 00
292	warehouses	@	6 00	1,752 00	
431	"	@	8 00	3,448 00	
1,021	"	@	10 00	10,210 00	
63,515					15,410 00
					$451,556 00
5,294	hose	@	3 00	15,882 00	
2,786	horses	@	1 50	4,179 00	
1,311	carriages	@	1 50	1,966 50	
	H. P. boilers per H. P.	@	5 00	13,884 50	35,912 00
					$487,468 00
Specials, embracing motors, bars, butcheries, drugs, etc., etc					35,697 61
Producing a yearly revenue of					$523,165 61
927 Meters and indicators for the year 1886 yielded					96,313 18
					$619,478 79

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